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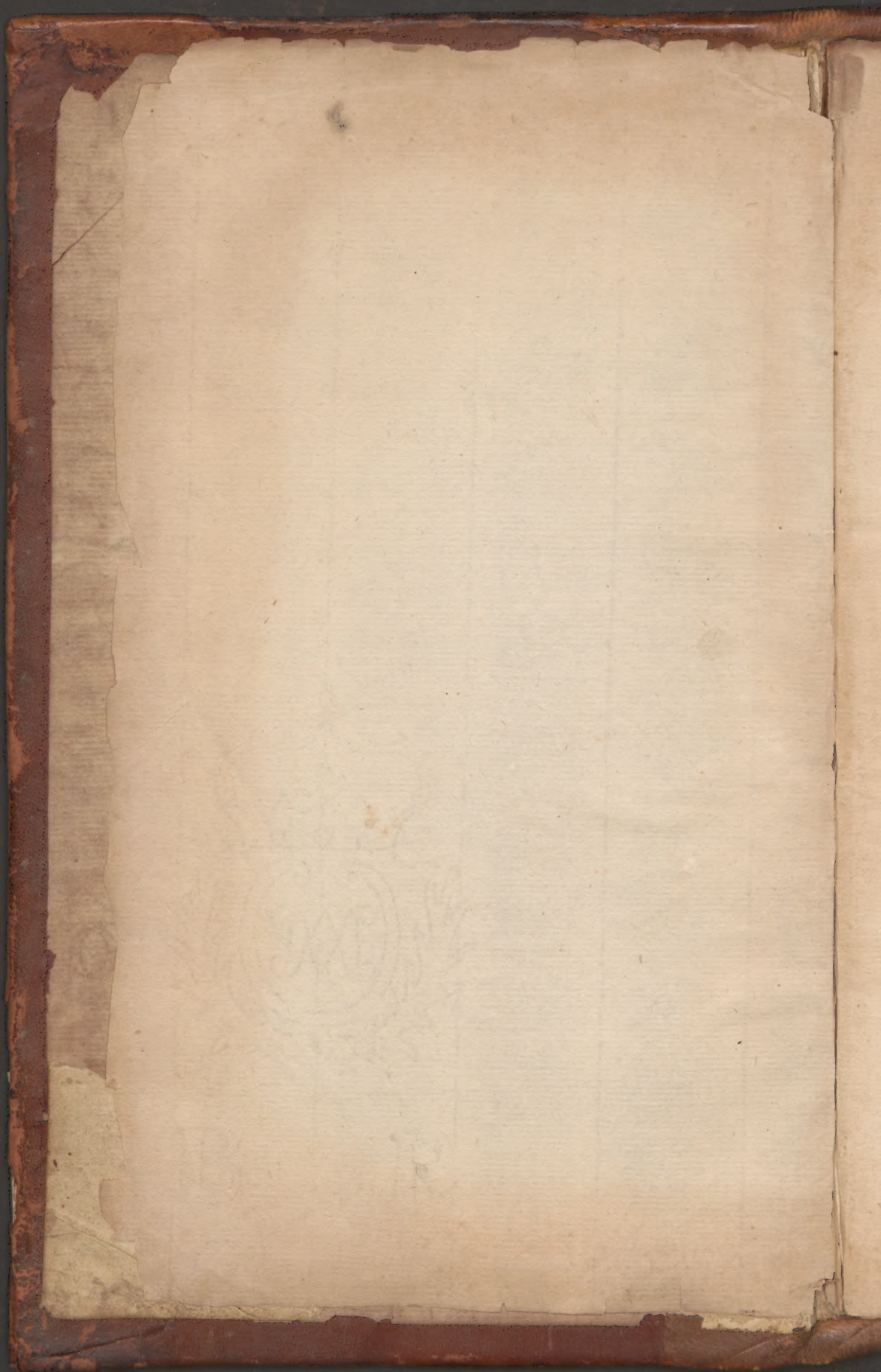
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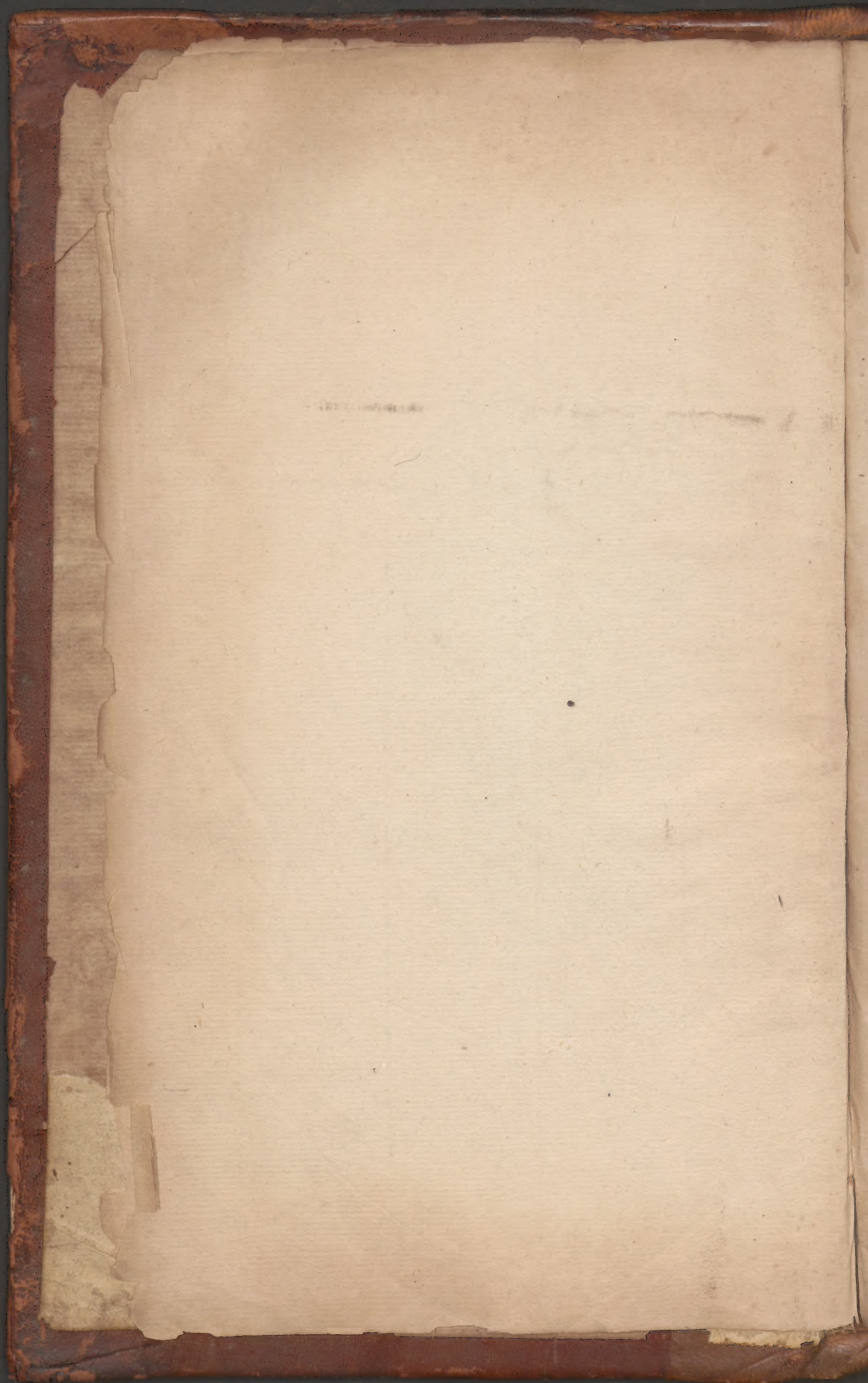
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Book

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Geo Mathur.

Lectures
on the
Materia Medica.
By Dr Geo Fordyce

N^o 1.

1811
on the
Atlantic Ocean
Capt. Geo. Sayer
No 1

Lect. 1st

The Materia Medica.

We come now to consid^r. of the sort of
to be employ'd in med. - w^h have been
call'd Materia Medica -

Indic^t. its necessity to employ food; and
it is not indifferent what substances we
use for that purpose; and therefore it
absol^y necessary to understand food as
well as med. - These then are what
we are to treat of -

The 1st thing we're to consid^r. is of right
kinds of substances we make use of
for food, in ~~various~~ medicine

There are 4th sorts of subst^s: found either
in the earth, sea, air, or in a violent
or secret. see w^h but appl^d. to of body, part
alter in disease

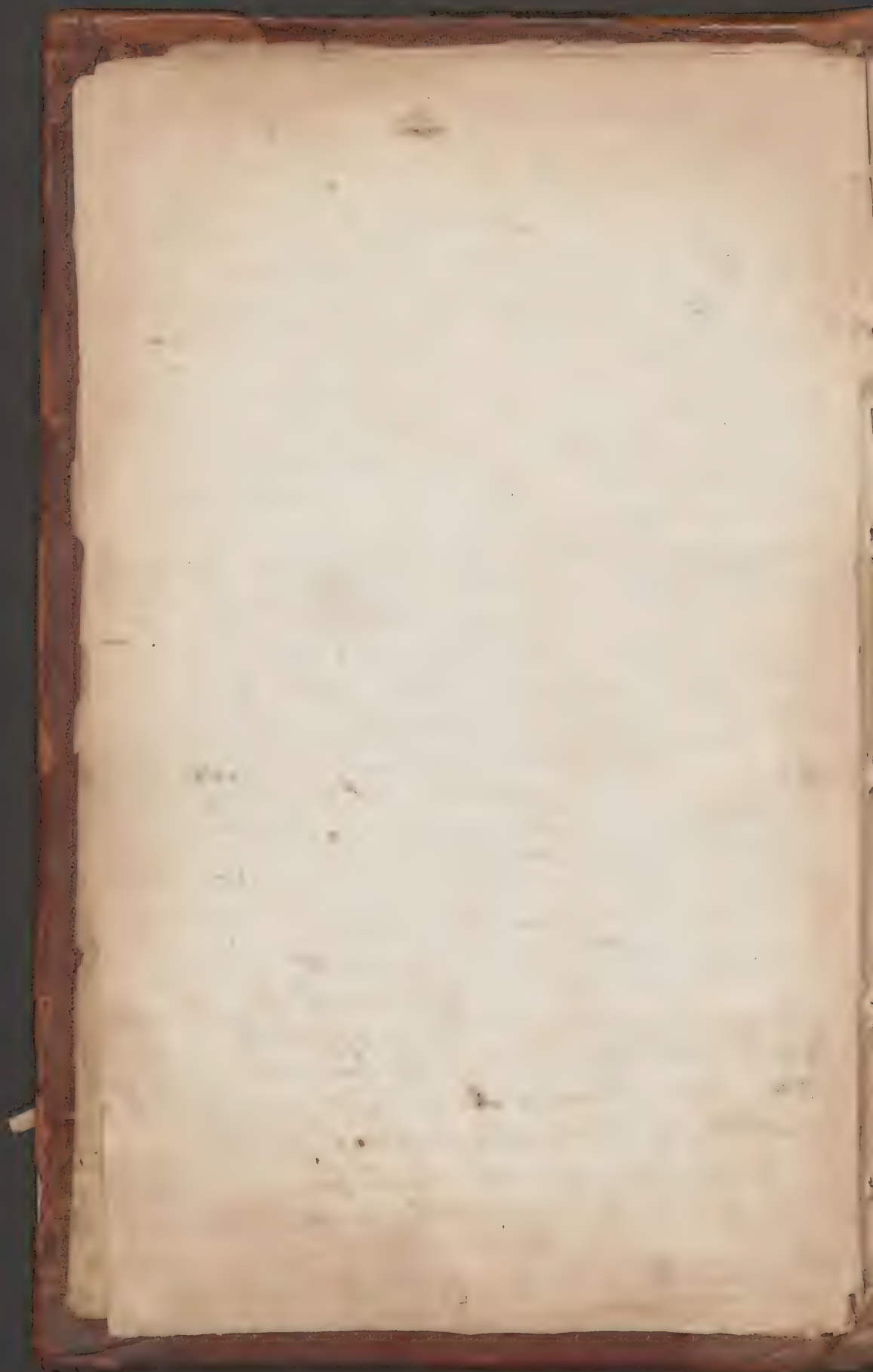
The knowledge of these subst^s consist^s
in 3. 1st Place, to know how to find
them; and indeed for this, it is sufficient
to know they are cont^d. in a Druggist
shop; but this know^l. is not sufficient
for of science of med^c. for some
Practitt^s at least ought to be exp^t. w^h
their growth &c. especially as med^c
is a science w^h is not to be found
all at once, but only by an immense
quantity of observat^s: accumulated -
of late y^r. med^c. hist^y of med^c. has been
utterly ~~neglected~~ - how is it
matter w^h cannot be trusted to memory
it will we have it recorded in
books - H. Linn^e & ~~others~~
& Linn^e & others have done a good deal
this way -

To know med^c we ought to know

The Marine Alliance

[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]

g



... can make it so. I would have
... him to write down ...
... all of his ... such definite ...
... given - It is most probable ...
... found out one, not even ...
... record in of ... of ...
... because of ... of ...
... so great, if we must also ...
... whole history in order to be ...
... of them - We are therefore ...
... endeavour to find out as far as we can
... what of ... is ...
... by of ... in order to ...
... The only mischief is ...
... support of ...
... when they did not ...
... if we apply ...
... thing part, it will ...
... will combine ...
... a soap - In this case ...
... of ...
... if I employ ...
... natural matter in the ...
... of another - but has this ...
... affected I do not know ...
... cases a ...
... of ...
... med. ...
... thought of ...
... of ...
... any other ...

2. Wherever you cannot tell what
affairs, & much rather as you can
do it, it is better for me, sh^d. I know
your ignorance, I have suffered of
we are acquainted with. I have
actually said it.

[illegible]

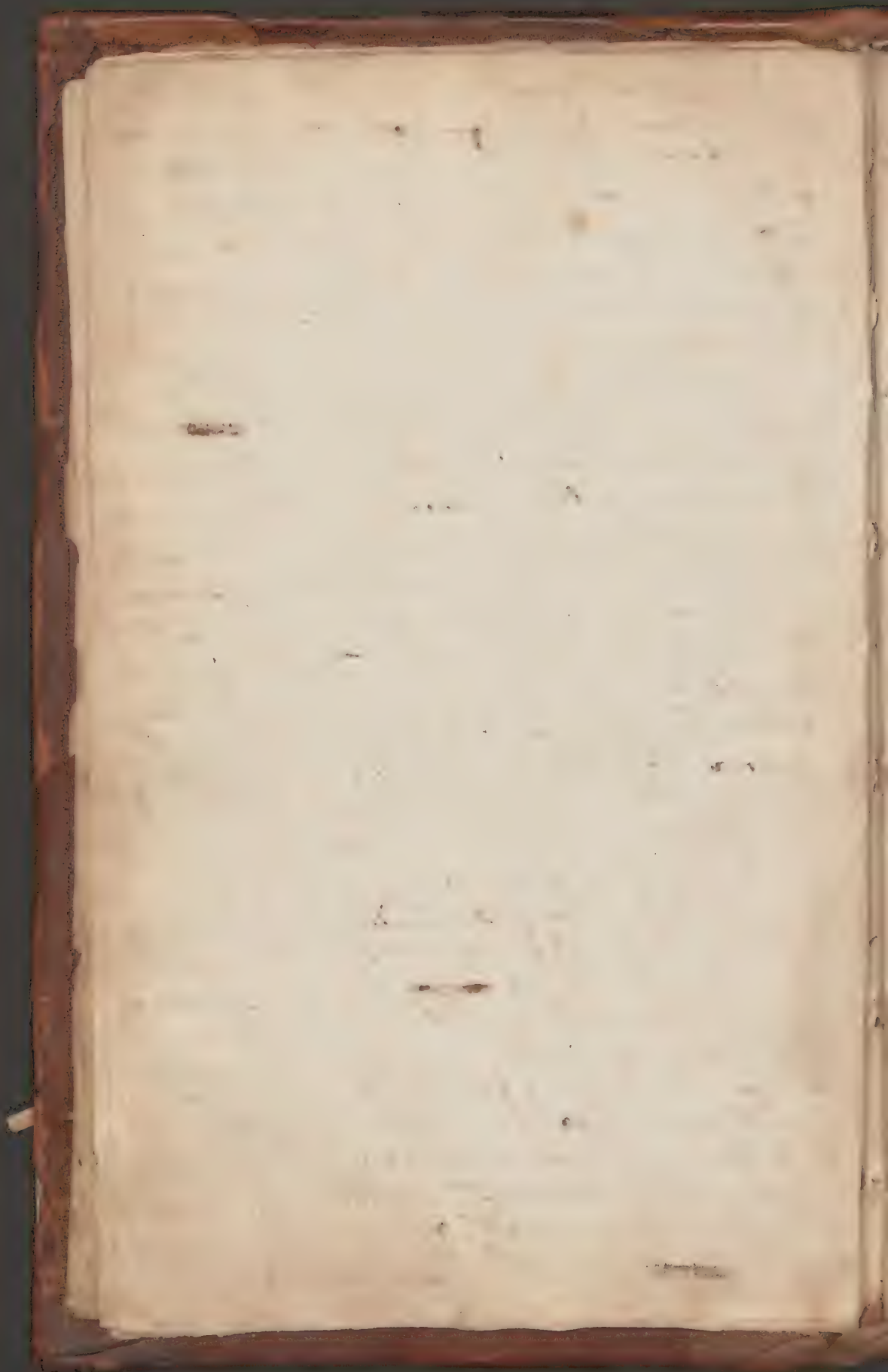
in many cases, if we do
not know what effect med. prod.
of case of dis. - In such case, must
be not, imperfect as it is, & be able
to consider only of gen. effects of the
med. best appl. in cert. cases of
disease (as we come next to consider
how of effects of a med. might be
originally in health?) There
are some of these effects may be
known by experiment on dead
bodies - We know for inst. of. querc.
of. inside of. stomach will coagulate
milk. It causes first & next saliv.
will unite with. of. skins from
a soap - and so in many other
cases, we can discover of. power
of med. by exper. out of. body.
We know of. cal. & a. will saturate
acid, & though if there be one in
of. stomach we apply it - In these
cases, however, we sh. by no means
make a conclusion too hastily - for
of. powers of. body are such as to
oppose such action in many
cases - (as) ~~querc.~~ Accordingly, we do
not find any such effect in the
body - These powers, however, must be
used. Saliv. as to move bile &
in many, it has got. from by coag. the
blood - for it has got. of. fat & oil & so
in such cases, than what
there is - it is not at all caused a
movement of. blood - & so of. cases

The efforts of all united, acting on the
same power, might have been more
effective, accidentally originally - I had
almost every thing of it. I thought
it was something of the same kind
to the human body - for whenever
a friend had made a good proposal
I found ~~it~~ it. I result of it was
good for nothing else but to
do it at last, ~~it~~ good result. There
was the same result, but most
often things of it were not, not
beginning - Accord, not only
the same - many of them were
lost, but others - and many
more so. - Thus it has happened of
it. I have given and have been
investigated, a few of many
excellent ones now down and
a lot of forgotten.

great quantity of small stones - But
many small stones of different kinds
body - one case of action of certain
minerals - their action - increase
of action of various parts - We
cannot possibly tell a portion of
any such med. - 21 - There is
great advantage in modern natural
history over of ancient of of design
are much of a plant or animal
might possibly be found and by the
This is not by any means of car
of ancient description for we
are not sure if we know really
of plants or animals by those given
of the ancients were complete and
in of ancients - We do not know
whether of the ancients of the
had not - nor do we know of the
They had in their yards - What kind
of food of ancients was we have
no idea - So there are many plants
possibly proper pictures in the
be discovered - When once of the
any plant or medicine of a
other in history, the history of
are common, we may make some
possible guess of the nature of all of
with of the ancients of the
classification of the ancients
and for the ancients to and
- their virtues -

as the Romanians no means of care
if of same class of plants, of seed, of
of same method. — For instance
for instance of umbelliferous plants
a very small. Class of plants. But some
of them are of the same of another very
applicable to the same. — In all
of same manner of species, not
universal. — In the same system
such as *Campanula* & *Campanula* —
some within *Adiantum* & *Adiantum* —
Sagittaria *Opuntia* *Aspidistra* *Amorpha*

In first place I have call'd
Linnaeus *Helidrymonia* by *Helidrymonia*
uniflora. Planch. have is hardly
diff. in their action - so all
diff. species of *Helidrymonia* have
of. same powers. - but *Helidrymonia* in
of. same have them in a great
some in a little degree of acid
can much less conclude all ~~the~~ out
of. same class for different to have
of. same effects as med. - This route
in chem. form a very natural
class - but of. powers & effects of *Helidrymonia*
artificial, & some are very diff.
for one another - The taste & smell
direct us in many cases to try
a med. It was common for
to employ *Chamaemile* to support
of. strength in intoxicating &c. - I
had found it a lady in America
binding up *Chamaemile* & *Flax* but
having *Pepp.* & *Juniper*. It was
a bitter taste of of. same kind made
in place of it & ~~by~~ by of. qualities
of. virtues of of. med. were direct
of. taste & smell can by no means
be depended on; for there are many
med. similar in their taste & smell
of. & having their virtues extremely
different. I must be careful to be of. before
of. effects of a med. for and
of. the ~~med.~~ its natural class & nature



... small ... a
... to depend on them - All
... of them effects of remedy are to be left
... by more chance - There is a
... may indeed if it was attempted
... little time ago; but it does not seem
... to have succeeded much - (The
... took ~~so~~ much of a medicine as
... without the poison being - so probable
... thought of. Garrison is a whisper in his
... court, what it was good for - (The
... of countries, & making other subtle
... some kind more than in this way
... to see if their pictures of the world
... Franklin's spirit of a medicine has in a
... healthy body, one can hardly find
... that effects it in a good way - (The
... perhaps for instance it is to be
... we are in committing God's
... giving it to a man in a healthy
... in it. (The case is not good as for
... the given in course of time. For
... length of time - The only made
... investigation of effects of a medicine is to
... apply it in a healthy body - We can
... tell indeed whether it will, but we
... cannot tell what effect it will
... have on a body which is not
... healthy it is not possible to declare

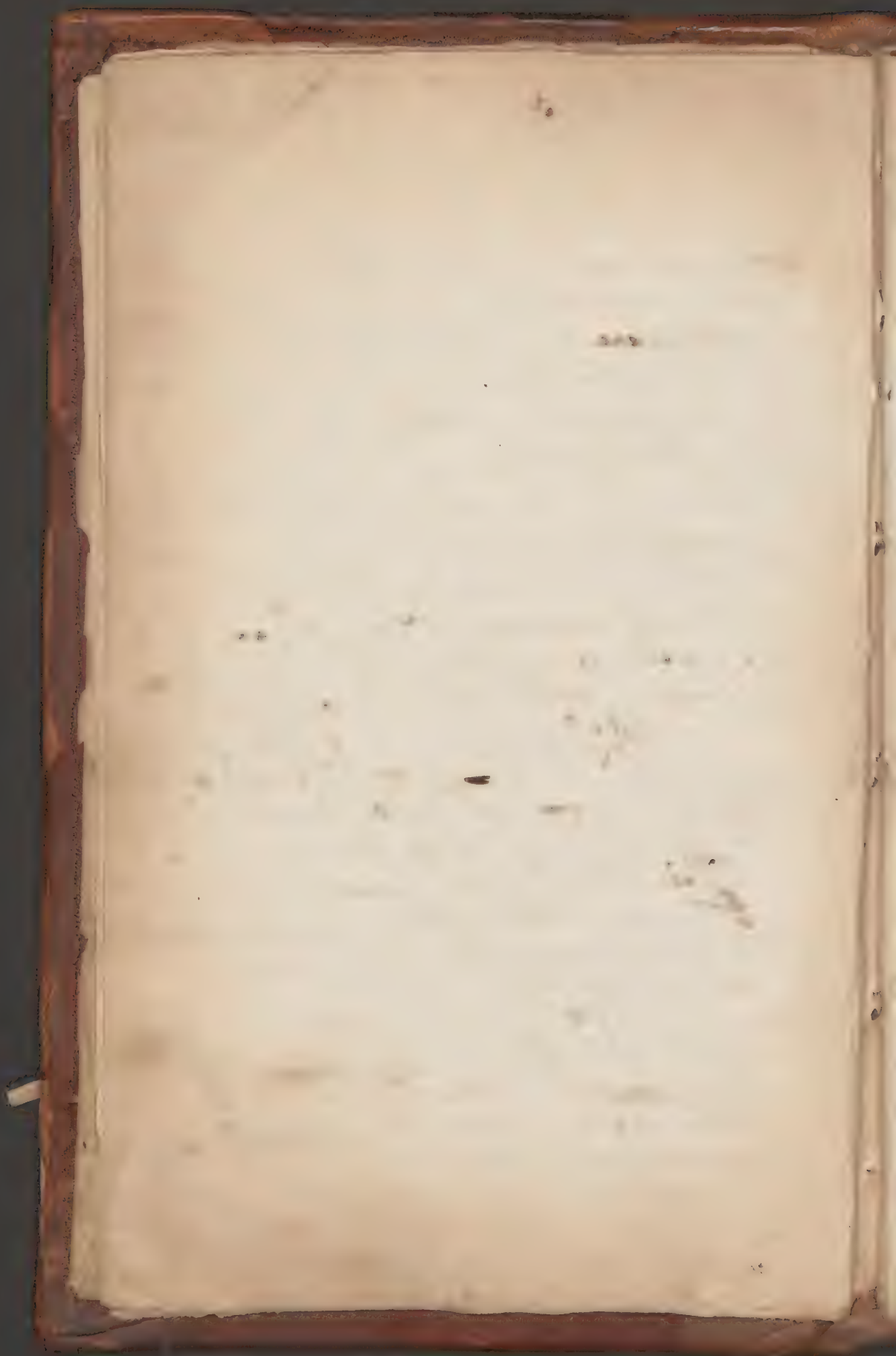
a manner of affecting the —

Lecture 2? / Of the Application of Medicines
& their Effects.

When I have of the subtle whose
part, we were to enquire into, such
such as we might see food in, &c.
That if incorrect, we were to improve
into cause of mat. history of the
of means of procuring it, of know-
ing, be able to discern it, & use
for other subt. and to know when
they were in the mat. state
of perfection, & of measure
in it. They sh^d. be prepar^d.

Food is necessary in diet
as well as in the diet, & in
many diet. Part. we be taught
there. See a reason of food
whenever; but then if food is
in diet, must not be all.
In food, to of up for up to
in diet, if not, no reason.
It must therefore be such food
in quality & quantity as of. can
manage.

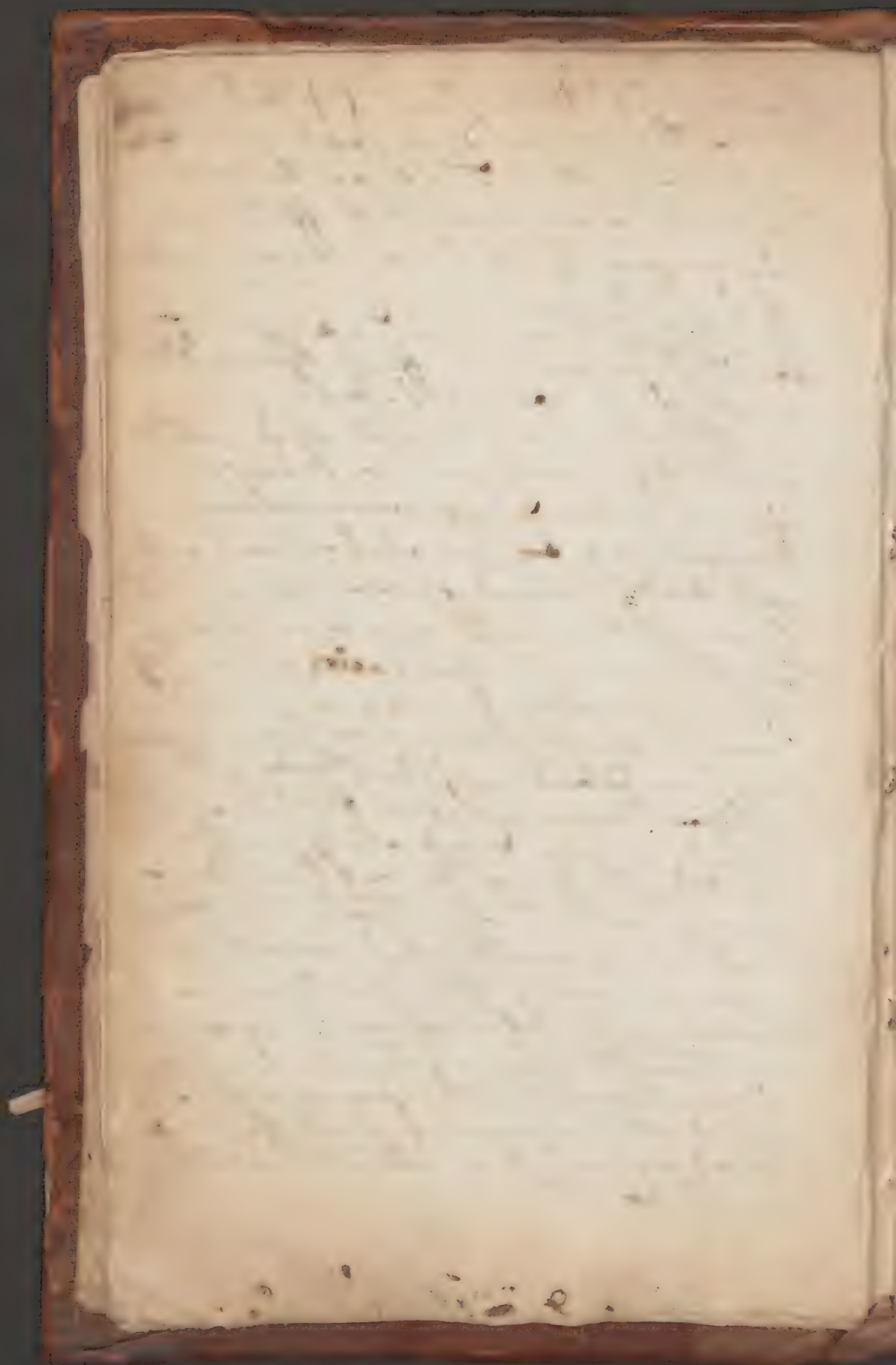
Med. are useful for cure
of diet. but diet are not for
the material state of body. As med.
there is a subtle, it will bring
back of get, or of. State of body
we see reason of. State of
of body might be altered in way
of respect of state of body.



1. 20. 4. 2. 1.

have stud. of. History of J. Dis. - how
it has been said, is good in an
intention but it may be give
so as to have a contrary effect, &
increase of J. Dis. or even not
of J. Dis. But
if it happens in such cases that
cannot be proved of effect of J. Dis.
of effect of it causes of J. Dis. -

Altho' in J. Dis. of J. Dis. solids
& J. Dis. body, one might
expect to make an error, -
matters of J. Dis. making effect out
of J. Dis. body - and in some indeed
we are - There are some
a + many fallacies attend
this mode of examining
for 1st met. have a power
when added in J. Dis. body, which
alters their action for what it
will be in a dead one - in
J. 2^d J. Dis. solids & J. Dis. body
corrupt after death as for
with J. Dis. matter of J. Dis. body
remains solid after death, so of
we must be extremely careful
in such experiments - It has
been thought of because of the
acid we present of J. Dis. body
dead animal matter, it will be
and so of J. Dis.

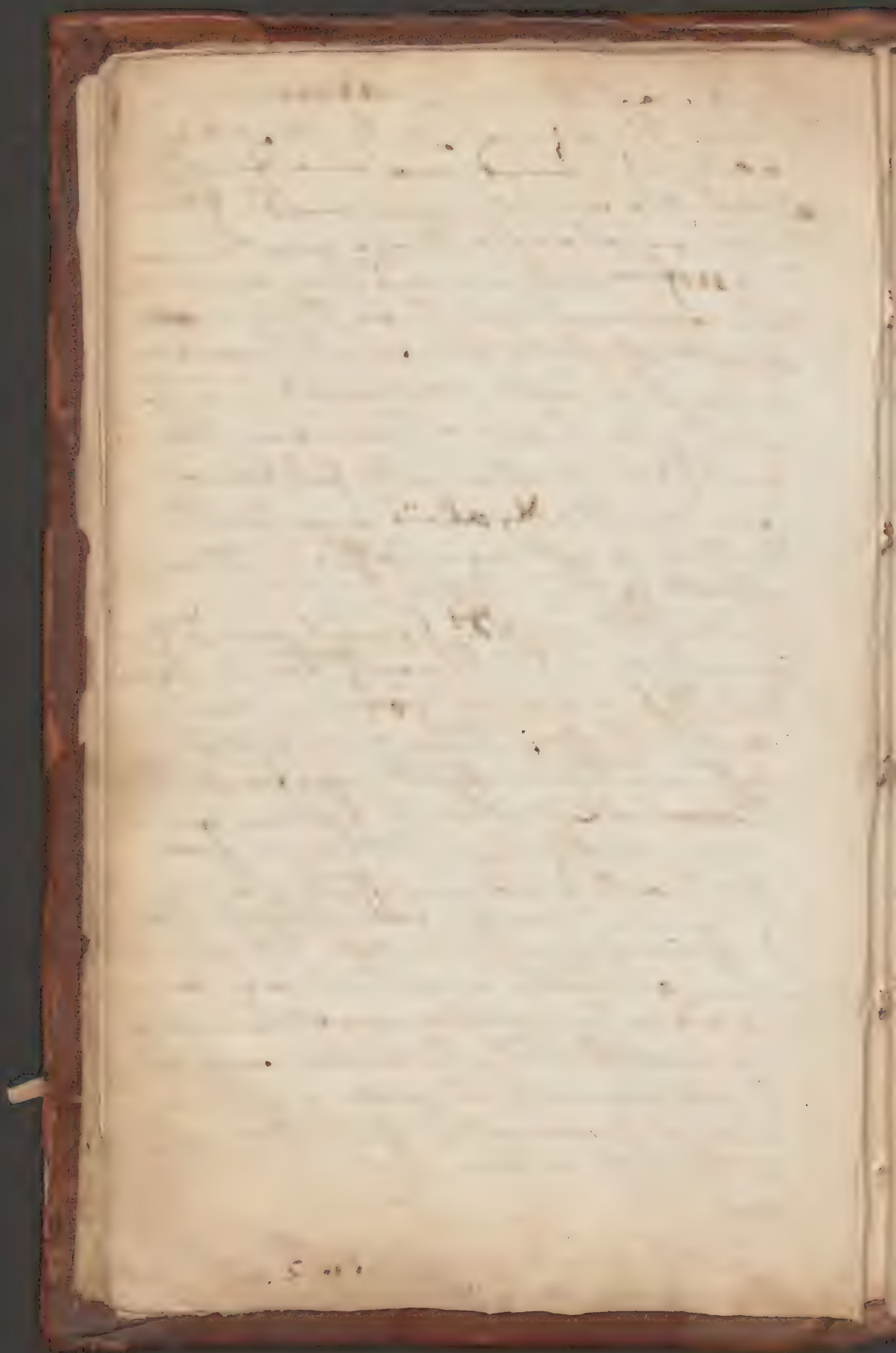


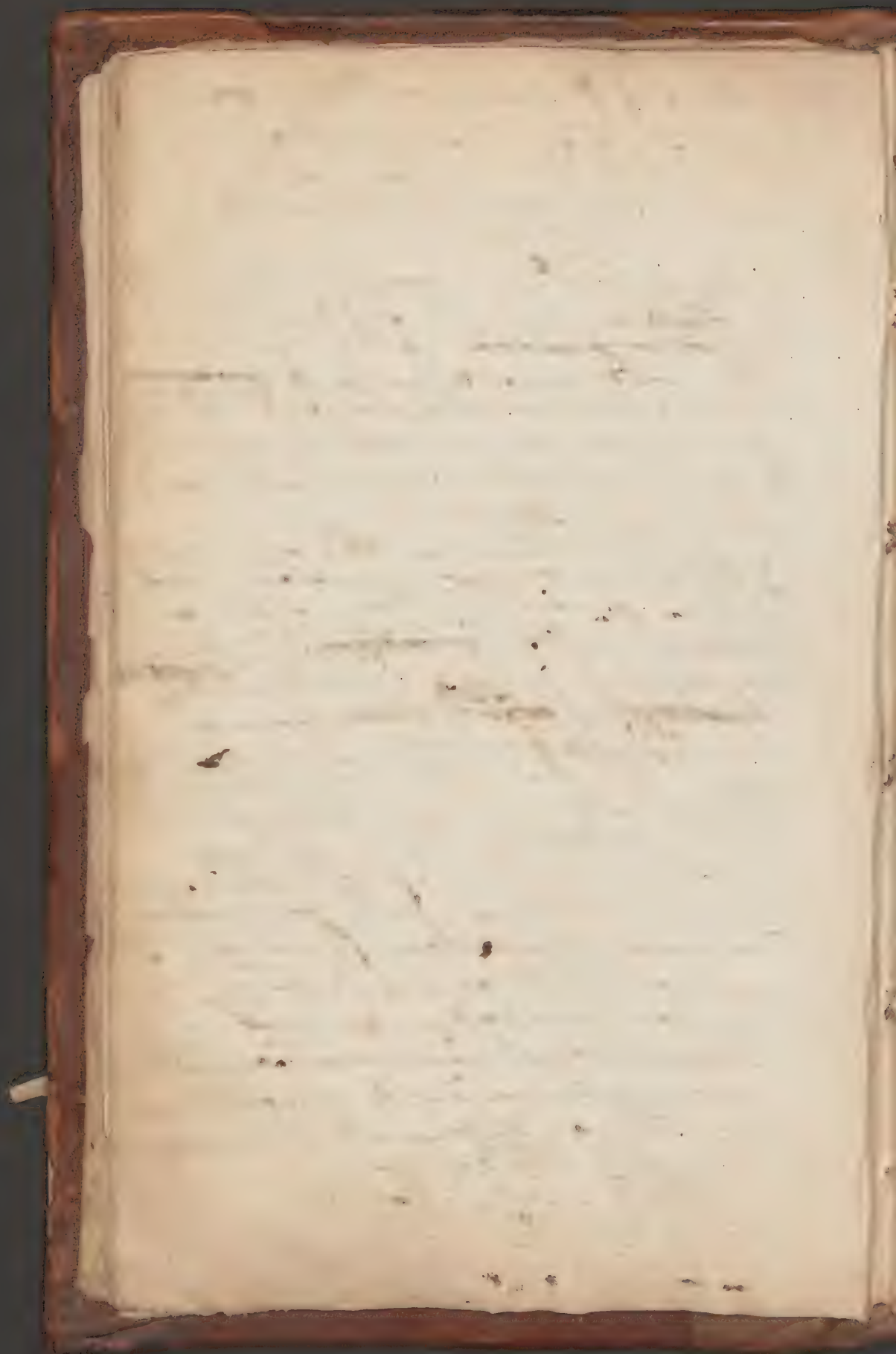
I know of med. seems not
to have been acquired by mere
accident; and we are duly
alerted to compare new med. with
their analogues. No one will
of use of it. If a med. has a similar
taste or smell it has other
sim. effects to those w^{ch} have
of same taste or smell as for
inst. Per. Radix. Gramineae
but this is extremely fallacious
for squills & alais are both
bitter & yet very diff. in their
effects. for the Radix.

Another mistake I caught med. of
analogy is for knowing their claps
but the manner of their being
in all claps. They are very
diff. in their effects. as for first
I ambellif. plants have a
very weak claps. but a far
from having of same effects.

I have never concluded what
of effects of med. were for, in
during health - but we can know
no Idea but that med. is a man
in health that it will cure
of several diseases - The
way I know of of effects of med.
is that by using them in
diseases.

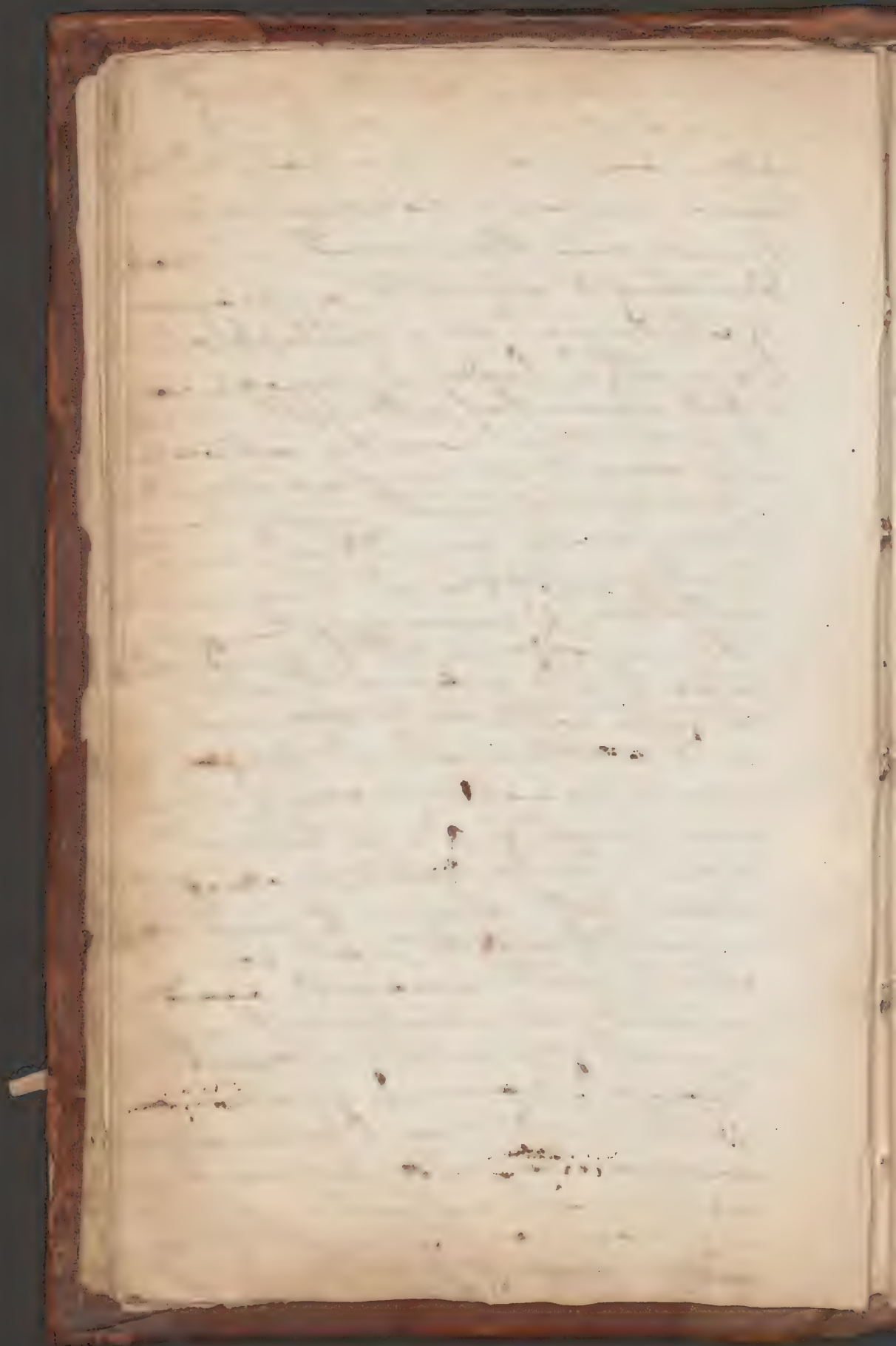
Med. produces some
action of solids in the body.





There are inst. med.
w. med. of whole part. of
body, or part. of a part.
There we call laborantia
There are other med. w. weak
diminishing strength, or power
of action - w. are anti-phlogistic
Some of body is more gas-
ted spontaneously & apply when
it is more easily acted upon
we say it is more irrit-
ible; less inst. There are med. w. med.
it is inevitable - w. are called
irritabilia & emmenagogue.

There are a set of med. w.
taker of all protracted action
w. we call anti-spermatic
and another set w. cause a
complex action on of body
one part of w. is to produce
sleep w. we call narcotic
all diff. classes of med. are
mentioned in the prod. w.
altho' with w. w. are
except by accident - & they
have been called alt. ant.
Now w. have of opposite
effect, prod. w. are all
evacuants - The Accidents
called w. are called
we now conf. of them to 4
inst. & 4 parts



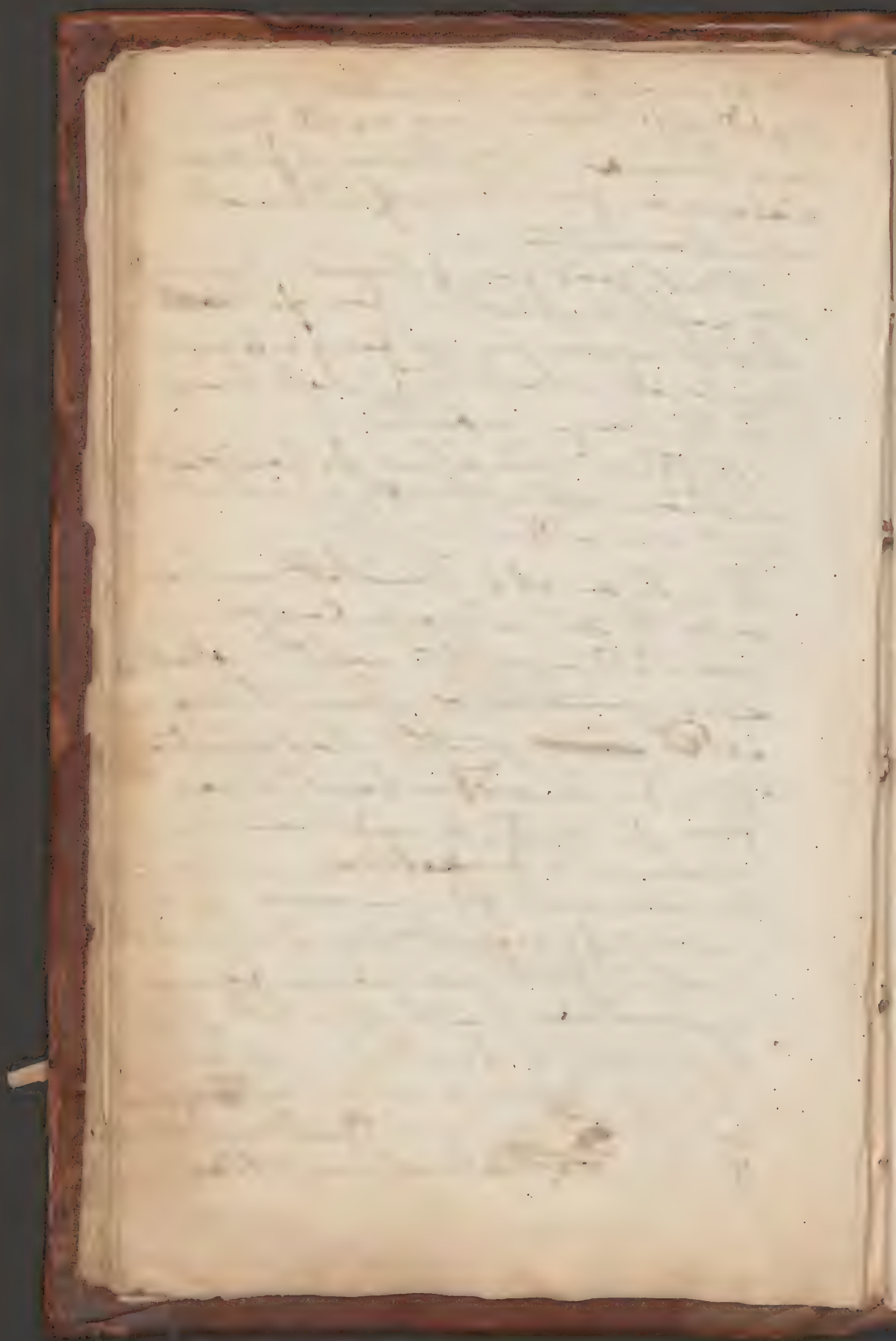
A d. mark be made for
fig. 1. of f. head we call 'em
can be made - for those of f. mouth
sialagaya - for those of f. breast,
spectorantia -

Mr. good for f. head & nose
we call 'em sialagaya - for f. breast
spectorantia & for f. breast
pectorals - but this class has
justly been rejected

Mr. w. makes f. sialagaya
motion act up strongly & f. sialagaya
sialagaya are all sialagaya -

Mr. sialagaya f. sialagaya. motion
is to be made a larger
mark - have b. call 'em sialagaya
sialagaya & when they re
acted ~~very~~ gently - sialagaya

Mr. sialagaya f. sialagaya. was
for f. sialagaya have been
named sialagaya - we
have not f. sialagaya of
one of f. sialagaya by f. sialagaya
sialagaya. but we can have
f. sialagaya f. sialagaya of f. sialagaya
f. sialagaya of f. sialagaya - when
this is done in a ^{great} ~~small~~
way. then we call sialagaya
of in a ^{small} ~~small~~ sialagaya



Section 4:1 Of Food & Milk

Part of J. P. are young & delicate
& it is chiefly thought of food & milk
forced in their place - which
with change also in season - is
savoury - very difficult to digest.
And is for J. P. common.

The body (or person) in latter part of life
and only changing in manner
in a culpable diet but in the
most difficult. It was thought
if J. P. insisted on the good & sound
of diet all the time then
their economy - which is infinitely
of J. P. great powers of nature of
them in coming of food & food
we shall take a little more
any other matter is subject to
shall be able to find out what
small intestine.

There is one case in which there
a special food given for research
for infants, those who are
subsequent great weakness. These
at any other ^{period} food used
could be luxury of diet. & of course
consideration.

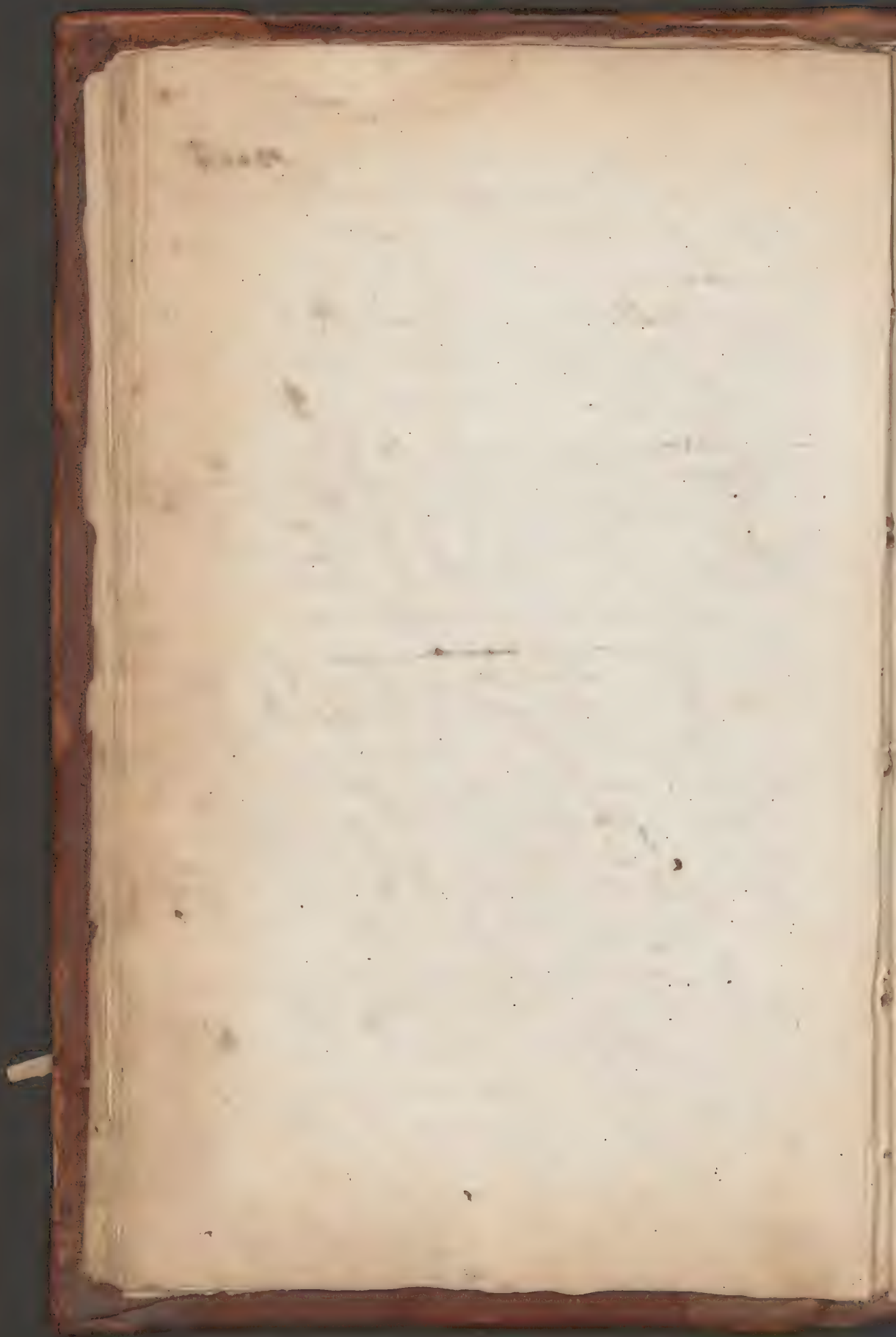
The other thing is a case of J. P. of
J. P. milk, in it is a most simple
subtle but difficult one.
There is an expressed diet in
and gives to the J. P.
a case of weakness
and of this is a

12. *S. carolinensis* *Wien* *maxillaris*.

(16) one part of the said ^{the} will
given for the said ^{the} will

...with 8 drops of oil ...
...is
...for ...
...oil, afford const. security.
That sugar is also a white ... is ...
...in many nations living ...
...caterac ... with a large
... of sugar (2) while the ...
... is ...
... Hence
... idea may be ...
... only ...
... is ...
... is about 1/2 lb of ...
... is white ...
... in appearance ...
... their ...
... was for ...
... under no change ...
... but there is a ...
... is a ...
... there ...
... is ...
... part of ...
... 100 ounces of ...

Hence ... oil ...
... it will ...
... afford ...
... but ...
... sugar ...
... will ...
... stomach ...
... concentrated ...
... is ...
... but ...



cases - The south of the mountain
contains a large number
of signs & a variety of

6. History of the mountain - The
with it

appes, goat, carab & ~~in~~
diff. The woman's milk is
a large quantity of sugar, and
milked - is of a spirit oil -
The milk is of a thick cream to
be made of - the sugar is between
a layer of paper. It must be kept in oil the
first of the younger ones.

Sugar is prod. in small quantity
of a kind. Good he made a
below ~~in~~ acceptable of. Just. You
will be smaller than f. of a
smaller - when f. is in the
is in a med. of fatness. The
is diff. The what it is in the
not about a few hours.

Then begins to soft. & for
soft. milk is in a
diff. than the. It does
often happen. It is in the
is a fit for of food of infants
some of the goat so large & quantity
milk salt, of a taste saltish and the
It certainly improves.

In the course of every year
milk of a milk is somewhat
acid, even in f. breasts
The sugar of food is
an f. of milk, for were a milk
has been known to turn of milk
to a so acid, it is of a reverse of the
Some of these is large & of
of a so much matter of a

a consisting of a radicle & plumule.

Lecture 5th Of Vegetables.

The veg. sub. compl^d for 1st & 2^d class
1st farinac^e matter, as barley, wheat, potatoes, & some other roots
2^d fl^r mucil^l matter, as green peas, &c. That Green Arab. capt. of giving nourishment in human food. Having liv'd on it several months in the desert of Arabia being destitute of other food. Next fruit, &c. consists chiefly of sugar'd oil & sugar. Native veg^l also too, it's plain capt. of being digest^d for it's food. I digress from food in the same. Farinaceous matter is of great food of man & beast, though it is not as good as of man. Food for strength very & cult^d to prod. it in our country. The 1st class of plants for us we procure this farin^l matter, ~~the~~ *Gramina* ~~the~~ *Grain*

The *Gramina* have seeds, ~~the~~ *embryo* & *radicle*, & *hulk*, & *cotyledons* & *epigeal* *embryo*. The *embryo*, when it begins to creep hatches out its *radicle* test^d. *epigeal* & *hypogeal* & *epigeal* into the ground & the part is which is to become the stem.

at and as soon as the traces of them
~~are~~ dried, J. 1st root (jun. 1st of lateral
ones sprang) dies -

(6) When in flowering the young I
most easily & yet not so much
I was still left than J. 1st

After the young plant rises above
ground, it does, by one of the
there is formed a knot on the stem,
a little above where it arose from the
stem. This lateral branches, each of
which produces a root, and a young
plant is formed. It is
called tillering. When the plant has
risen above ground, a flower stem
a flower is generated. These flowers
have generally 3 or 4 stamens; and
in general the plant is self-hermaphrodite,
but each has its male or female
parts only.

The grains are such as have
seeds of consist. size - as wheat, rye,
barley, oats, rice, & millet. These
have been by far the most growing
wild. Bread wheat is by no means
of much food to man, but it has
of late years become the principal support
of the human race. In the East, rice
is the principal food of the human race.
In warm countries, where
there is moisture at all times,
rice has been chiefly raised.
In China, India, & the East Indies,
it is particularly favored for
grain. The rice is grown
on a great extent of ground of from
hundred miles, and is watered by
large rivers, and the rice is
carried in boats. In the

to and a great part of America.

Corn, wheat is the grain
has chiefly been cultivated in
S. or W. America. In the whole
surface of earth is covered
with ice & snow during the whole
winter, veg. is entirely stopped.
Ice does not grow well in any
but a moist soil.

In Africa & India grain is
wheat & Indian corn.

The grain matter is in the
suds of granular & solid in
the bulk of atmosphere. It is cap-
tured from the water, but it
differs & forms a very adhesive
solution, so as to adhere to the
interior surface of stomach, &
accas. great disorder during the
digestion. When the food is
taken & passed down, we have
in the stomach a proper kind of food.
It is coagulated by heat. The necessity
of it should be coagulated before it is
consumed. For the stomach coag-
ulates by exposure to heat. It
is also cap. of ferment. It is
taken in the form of food in
the suds, & is coagulated when dry.
It is very difficult of digestion.
Does not easily combine with
water. The powder of food
is not the same.

with them cage. A

coag. it, it forms a hard mass
w^h goes and easily ad^hes to the
gastro juice in the st^{om}, in 7. st^{om}
for this reason, we find it
in the stomach, rendering the early
digestion. There are some
things w^h assist its digestion, as
almonds. But if the quantity of
this is not large, it renders
of bread more easily digest^{ed}
by means of a more perfect coagulation.
If bread is cut into slices, and
again coag. by heat, it is
rendered easier of digestion.
This is call'd panis tris coctus
or crustus.

Bread in course of its coagulation
not only absorbs the fluid of the
stomach, as to the early menstruation,
therein, but also absorbs & retains a
fluid, so that the mass w^h is not coagulated,
so as to be retained in the stomach
till digested - for any subst. w^h is thrown
into the stomach in a fluid form, if it is
not retained by some mixture, hardly
affords nourishment - we often see
expressed oil, w^h prevents it from forming
in water an adhesive solution
in disposing itself coagulated. The particles, so
they will not adhere - Farinae, or
matter seems to be the express oil also
in the stomach till digested. Farinae
matter formed into bread is more easily
digested, and seems well adapted for
the general use of the stomach.

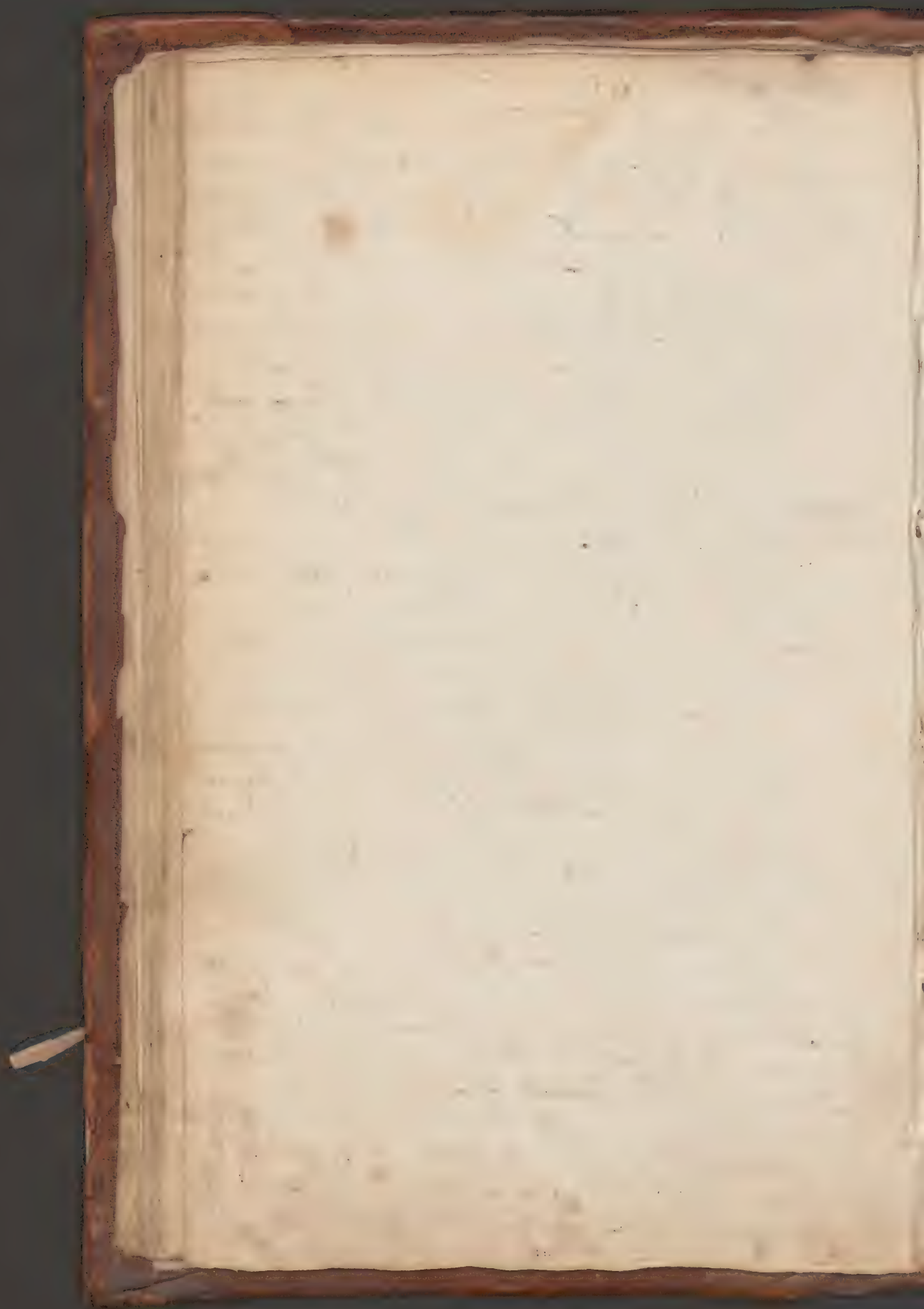
a/ cherries

Dr. Cullen describes their pernicious effects
in the spongy liver - &c. -

Apple pears or almost any
fruit treated in this manner
may be rendered considerably
nutritious

Vegetables

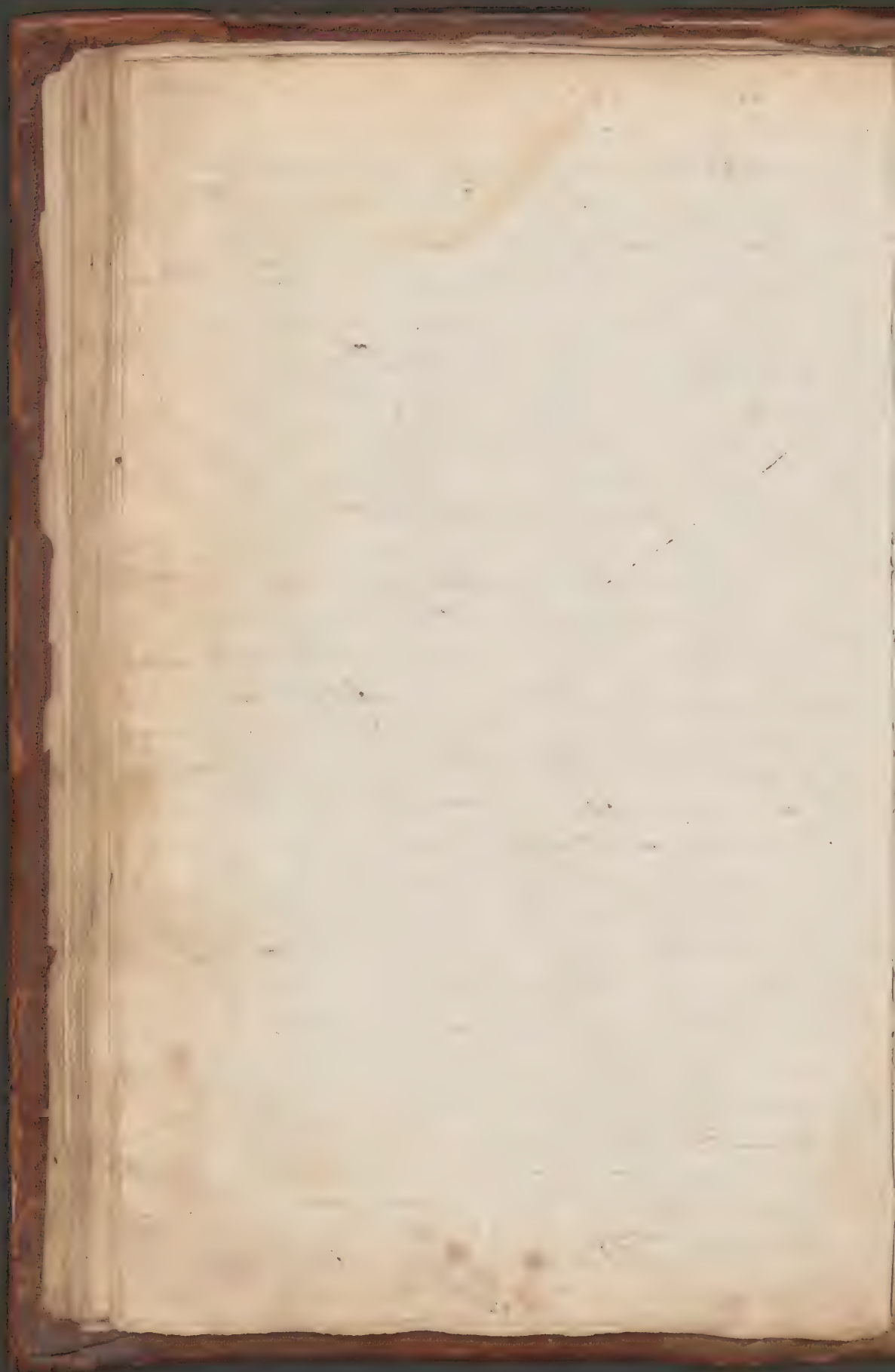
The most notable vegetable substance
employ'd for food is fruit
which contain in a great measure
all the nourishment necessary for
the support of nature and seed. It
is capable of digestion as we find it
corrects the humors of the stomach
and is a pure acid which is most
capable of uniting with the principles
of food, and will not do so if it
contains a mucilaginous substance. It
nearly falls into fermentation
as that which is taken with the
acid are of course glutinous & acce-
ptable. The kinds of fruit contain a
stringy matter, some of which
fruit as are of red color and
which is seldom more considered
than in some it is. The J. naga
contains in it fruit which is
nutrient and sweet. Those which
are most of it are the chief employ
where fruit have constituted the
chief food in some countries. The
grapes & dates have been much
use of for the purpose. Figs which
in Greece are used in the islands
grapes in many provinces of
Spain Portugal & other countries
Dates in some parts of Africa
Bamboo of y. m. The fruit is
a moderate dose of heat, & is found
in a small quantity of fruit is
found in the fruit which are much

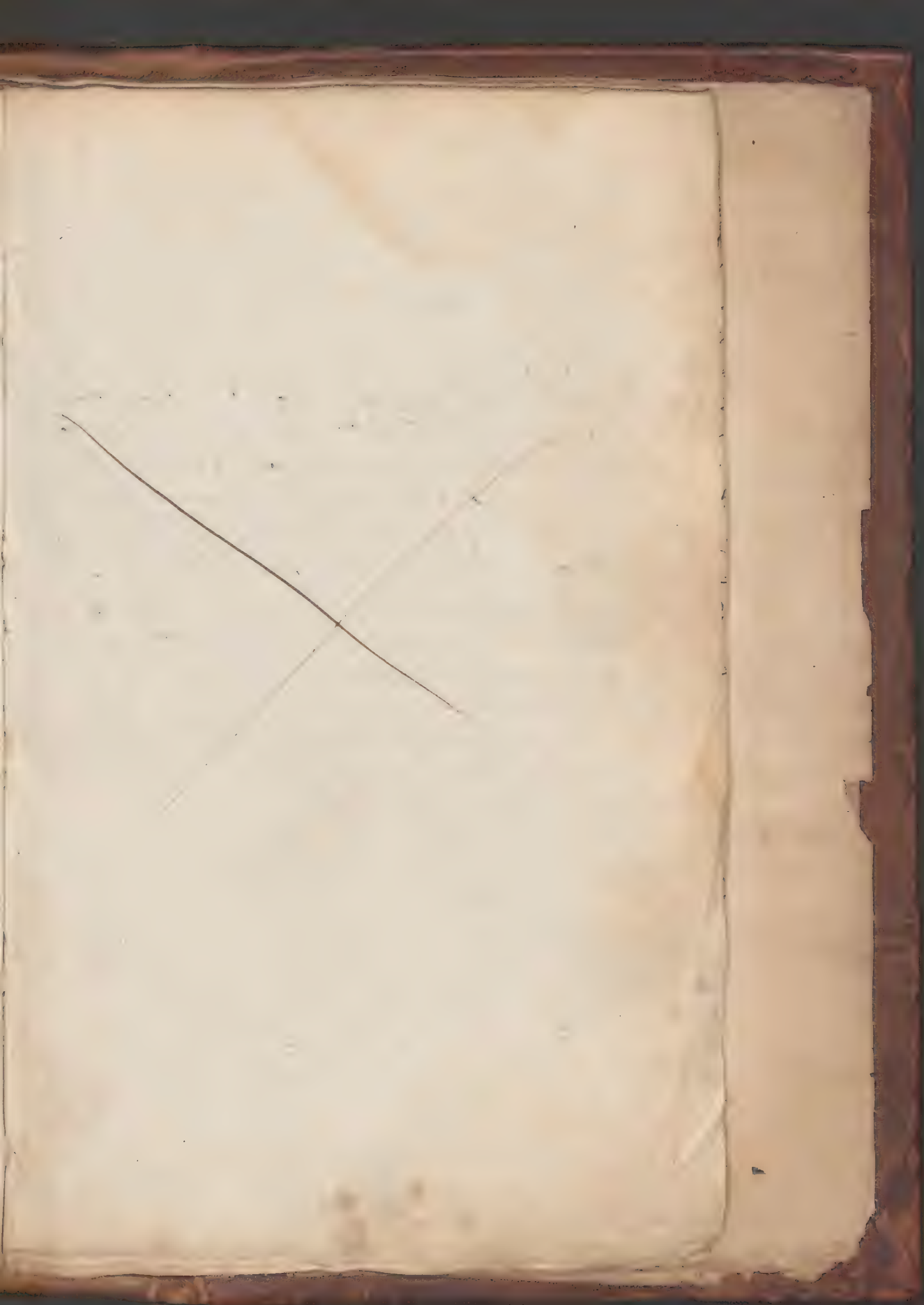


up a certain quantity of sugar
more concentrated in one mould
is contained in the latter former
we can take the distinction to ask
of cataly in fruit by adding a
quantity of sugar & resin of the oil
of sugar more considerable — Fruit
if one and permanent are sometimes
apt to prove peripetue and some
have been some to season ~~appetite~~
substitute for sugar in autumn
Now in temperate climates during
the autumnal season peripetue
necessarily apt to take place and
as fruit is very much used at this
time, it was supposed the cause of
them accordingly the use of fruit
has been condemned by many
Practitioners. It seems however
a very unnatural conclusion
that off fruit purgates them as a process
is intended that it sh^d be used in
such quant^y & so much and by
if more & more univ^l that
maintained, where instead
be the principal guide. Besides
if fruit acts as purgative, we are
to consider it as acting like other
and if so, when thrown into the
stomach it w^d purge & continue to do
so till evacuated when it w^d cease
for salap. chloride is salt &c. and is
its nature & why sh^d fruit

but who have either little or no ground
as well as more who have been
missing. Done

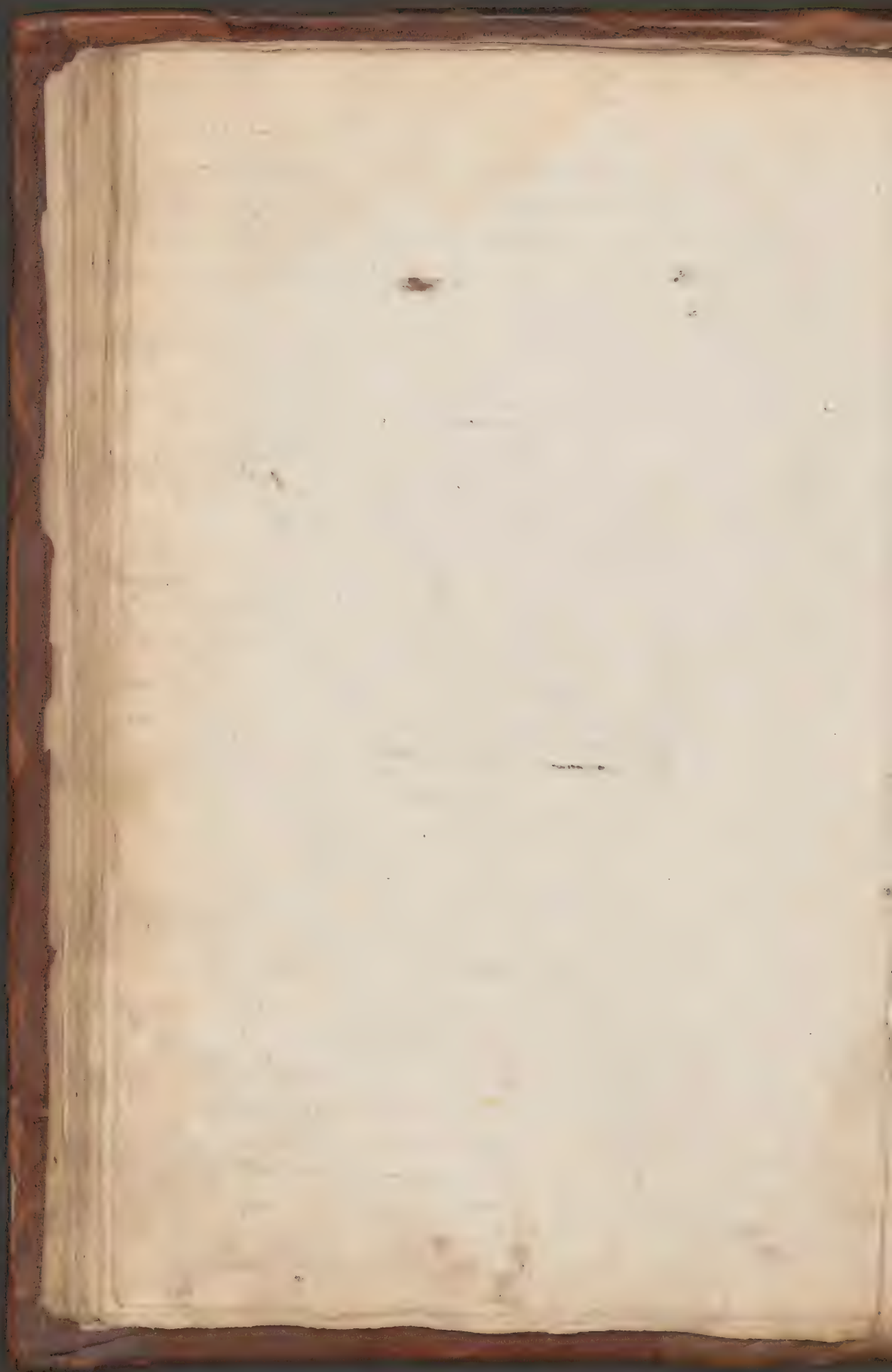
it had a temporary suspension
in a diff. manner from the
sun all the, & had a long
it. it remains. The
hardly conceive him as giving
a moderate temperature for the
fact is that such autumnal
same place in people ^{and} when
the summer is very warm & long
we are more to have a great number
of young fruit in the autumn
whether fruit is ^{in quantity} or not. While
on the other hand when it remains
in short cold, hardly any quantity
remains or the fruit appears.
tho' there be a great quantity of fruit and
that it ripens. Therefore there
autumnal temp. by no means suits
for fruit. But for this cause — when
it is warmer constantly, there is
an increased external circulation
and as the temp. of the blood
is circulated. The exterior part of
the body the vessels of the viscera are
kept largely & acquire a kind of habit
of contraction and as the vessels become
weakened in the autumn
the weather becomes very variable and
are sudden exposures to cold, the vessels
are contracted & the blood is
thrown on the interior parts, as the
abdominal viscera by themselves
are stimulated. The secretory system
in a great way. There is a great





a fruit not only afford nourishment
but are capable of advantage to correct
of imbalances of animal food - There
is one class of plants whose fruits
have been brought into use, certainly
contrary to the natural instinct of
Man & birds, who are the cucurbits etc.,
cucumbers - melons & gourds - for
these are found in the highest state of
the most refined & delicate
dainties - now fastidious hunters
much at last will produce such
exquisite & delicious

...all of the ...
...are ...
...exposure to ...
...effect ...
...no means the fruit ...
...is made use of ...
...for so far from ...
...in ...
...society ...
...the blood ...
...if ...
...internal ...
...a ...
...have ...
...the ...
...of ...
...oil ...
...and in weak ...
...in the ...
...be ...
...that ...
...of food ...
...into ...
...so ...
...sufficiently ...
...in ...
...of ...
...a ...
...the ...
...of ...
...at least



That vegetables are containing
more of the same & need more
immediate food & are broken down
in 2 or 3 days of the same as the
fruit will be put together & last
that on force being applied it will
open & break at the same rate as
meat is in more difficult of broken
than almost any fruit with
vegetables - & much more than
remember has been brought from
of them in various kinds of food
there 3 or 4 days at most before
- changed -

Vegetables cont.

The next class of subjects are
the most numerous of herbs - These
are called plants & are naturally
are unfit for food, but as the human
stomach needs if we are by cultivation
then so a vegetable food is made
with the help of the human
employment & chiefly to correct of habits
of animal food. Plants contain
in them much matter is
eaten more readily into ferment
& give broth & stews - oblast
of the 2 are also found in them
that of vegetable matter is
it is more apt to ferment is
it causes the taste the taste of
the food to change - & a fine

a few of my place by making plants
rows in the garden and destroy them
particular juices & produce, in other
words, leave the mulchage & Lark
Rabbit & congeal so as not to be exposed
to the air & likewise leave them
in the ground, & destroy them. (Rabbit)
which remain in their
holes, so that long cultivation will be
produced in a seed & disjunctive to generate
the same. (Rabbit) & juices of the soil will be
the same. It is the same as cultivated
in the ground. I have attended
to the same & have more fruit
than I can use.

I have an offer of a large quantity of
 the best of the above mentioned
 of juice of the plant will grow on the
 the solution of these seeds will
 gives a distinct proof of the efficacy
 it is a most perfect solution of the
 to induce permanent. Hence, the
 2 quarts of the water of the above
 flowers in all plants. There are
 kept also medicated juices - which
 I have an offer of a large quantity of
 We collect the same from their own
 juices & have only their own
 matter & sugar - in the place
 when plants shoot up there is
 immediate proof of grain & other
 which is a most perfect solution of the
 matter & sugar and fruit
 scarcely any medicated juice -
 therefore, such a high quality of juice
 as they are shooting out of the ground
 is a solution - the best of the water
 is cultivated - in the 2nd place by the
 a plant grows luxuriantly & has
 to medicated quantities - and the
 only matter of seeds of the plant grows
 in very rich soils where the
 most & more luxuriant & the
 the same is more & more
 the same is more & more
 in cultivation against the
 Simons in the 2nd place
 and a Journal

Of the 7th species of *Allium* all resting
contain essential oil, which is
diminished in quantity by cultivation -
but besides this, if essential oil is so
volatile, it evaporates on boiling
or exposing them otherwise to heat
and the oil rises only 1/2 behind
much of the matter is lost. It also
runs very readily into foam. It
renders them likewise very
proper to be employed to correct
putrescence & animal food -
(Garden, the compound flowers or
of glass flowers & Linnaeus culture
in wine &c.) naturally contain a
quantity of specific juice, which is of a
white color. It flavors the
plant & very bitter - The taste renders
the plants perfectly incapable of being used
for nourishment - but the rendering
them raw, in a water salt this specific
oil is destroyed & they are made
(from cabbage -)

There naturally contain a better
juice & more Stimulus, & instead of
it if we were to take them, and
they would be totally unfit for food
but in their juices, by going to the
prods in rich soils, they have been
lost of spent oil, & a great part of it
better juice also & as they are naturally
apparently apt to run into fermentation
as this is evidenced by their
cultivation. I am sorry a little of
vegetable & especially of the
depression of animal food, &
making of plants, grows in the soil
by covering them with any organic
substance, will not only deprive
of the sweet juices but also the
colours, & so that by this means
they become white

Unwholesome plants of the nature
a course of years of the soil, many
have their juices destroyed also. I
understand that for nutriment by making
them grow in the dark and by
making them yellow & pale & so
treated in this way. ~~through~~
But the other plants of the class of
have to be called rapinates, also with
a very better juice & renders them
naturally, totally unfit for food
They have now been found to
be now be exhausted in rich soils
Largely, & we take the young
shackles — we are to consider

a. It is difficult in this country, and
has not the effect, but by a much
higher degree of cultivation to procure
animal food recently killed, and
indeed even still the principal part
of it, and it is made use of in
many parts of England in
itself as bacon for instance.

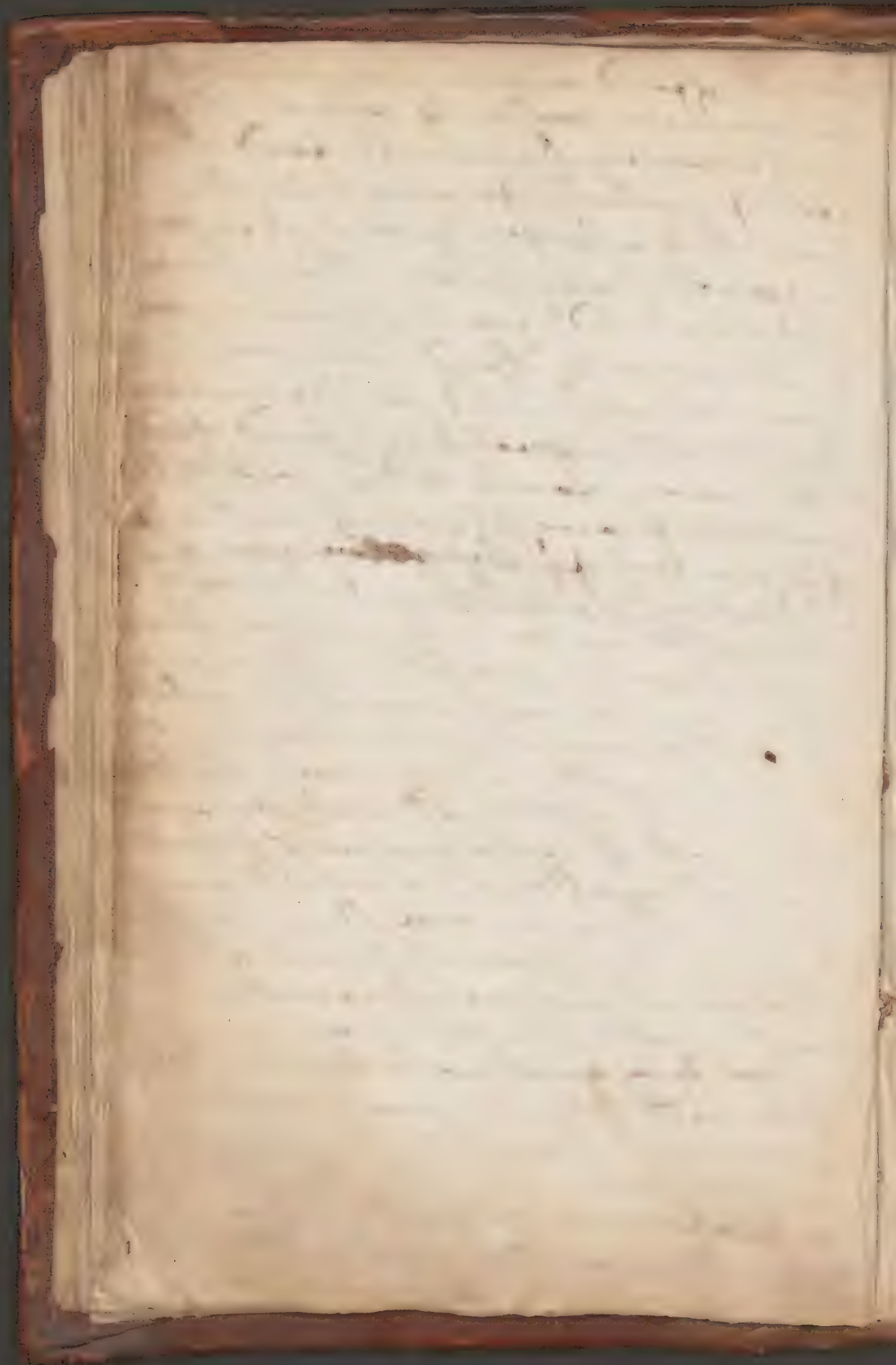
b. It is the same kind of animal
food, but readily into ferment
and according as it should
more or less with this, they are
more or less proper to come to
putrescence, or afford nourishment.

also the Legumina (used by the French
as peas, beans & French beans)
before farinaceous matters formed
the other seeds of this class - That it
is necessary if we can get a supply of
the vegetables such as we
have painted abt. in this climate
but is very certain - Perhaps we
were to make use of animal food
recently killed, it might be necessary
to cultivate to procure these roots
if we have now enumerated
when cult. was not carried to any
great length. & salted meat was used
much of winter, & there were no
kitchen-gardens in England prior
only cult. of this class of plants we
are mentioned of sea-weeds was
a very great use. - This was of course
about 300 or 400 years ago - This
not above 200 years since we had
first kitchen-gardens in this island.

These things are plants of nature
are intended to be employed for
food, but we are rendered dependent
on them. - & we are necessitated to collect
of the treasures of animal food which
if we use it salted -
The last class of plants consists of
excellent roots & these contain sugar,
farinaceous matter & mucilag. juices.
The roots of *g. chadonius*, *g. ascorbicus*
and these &c. & those of *g. tuberosa* & many
contain principally mucilag. matter
which gives sugar - so that they

a Dutch miser who had tried all
kinds of food to know what he could live
on if the cheapest found cannot answer.
He found the best, as his food
for a whole year cost only 5/6 !!!

do not afford much nourishment
but are very proper to correct the
putrescency of animal food - The
roots of umbelliferous plants,
have often a larger quantity of sugar
as carrots, parsnips &c. - They have
also a consid. quantity of farinaceous
matter so as to afford very great
nourishment and for influence
of cultivation, of greatest of any kind of food
as we may learn from the roots of
umbelliferous plants, of which
of flowers of ~~Saxifraga~~ of
the principal anticholeric - but many
others, altho' we do not employ them,
have of same qualities - There are
all among of most nourishing vegetable
the consid. quantity of sugar - the
farinaceous matter - Also yams, plantain
roots & sweet potatoes, with much more
than roots of contain a large proportion
of farinaceous matter, with a small quantity
of sugar - These are employed in making
bread as the ~~Cassia~~ & ~~Barley~~ &c. &c.
Potatoes, with which we are so much
familiar, contain almost pure, say
of food, great nourishment. All
these roots are more glutinous &
sacrescent than of farinaceous
matter proper for the roots of
potatoes are consid. of
20 - These are the best of the roots



St. Michael, County of Cornwall, 18th Decr 1841

I hereby certify that the within is a true and correct copy of the

original as the same appears in the records of the said County

of Cornwall, and that the same is a true and correct copy of the

original as the same appears in the records of the said County

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Now if we could. This earth all
means are taken to fill it with life
and one animal being food for
another, is so far from diminishing this
life, that it increases it many
times. — In the case of the
animal. I need not say. I need not say
is immense. — A cod-fish for
instance, lays 3,000,000 of eggs at once
if these were to grow up, & increase
at a rate, & their progeny, I see
in a very short time would be counted
into this species of fish alone. — But
these animals, if not
productive, we might have
said for instance, would produce a sufficient
progeny in 10 years to fill this
island, even if they were to stand
as thick as it was possible to
place them. — And so it is in regard
to all these animals, there is, a
power of production capable of making
amends for almost any waste.
The number of animals is limited then
not by their power of production
but by the means of their sustenance.
Now by one animal serving
as food for another, if the powers
of sustenance is increased in
animal life generally. — Man
finds sustenance for more animals.
He can employ for food instead
of time, & space, & so on.

• a ao a Lien, 20/10/1911 -

lap as a cao 10/11/1911 -

The Sheep, or goat, &c. wd. be
naturally prod. in this country
wd. not if the soil of those is actually
rich if the ground was not
cultivated for them - If provisions
were not for them the winter
many wd. be destroy'd; and if they
were not defended by man & his
animals - If for anything as humanity
dictates it is not improper for man
to keep them and feed them.

The next question is, whether man
may employ animals for his
purpose in private - I mean in direct

use, as for example, to carry
a pack, or to draw a carriage, or to
be used in the field of battle. (a)
I think that if a man is to be used
in any of these ways, he must be
treated as a man, and not as a beast.

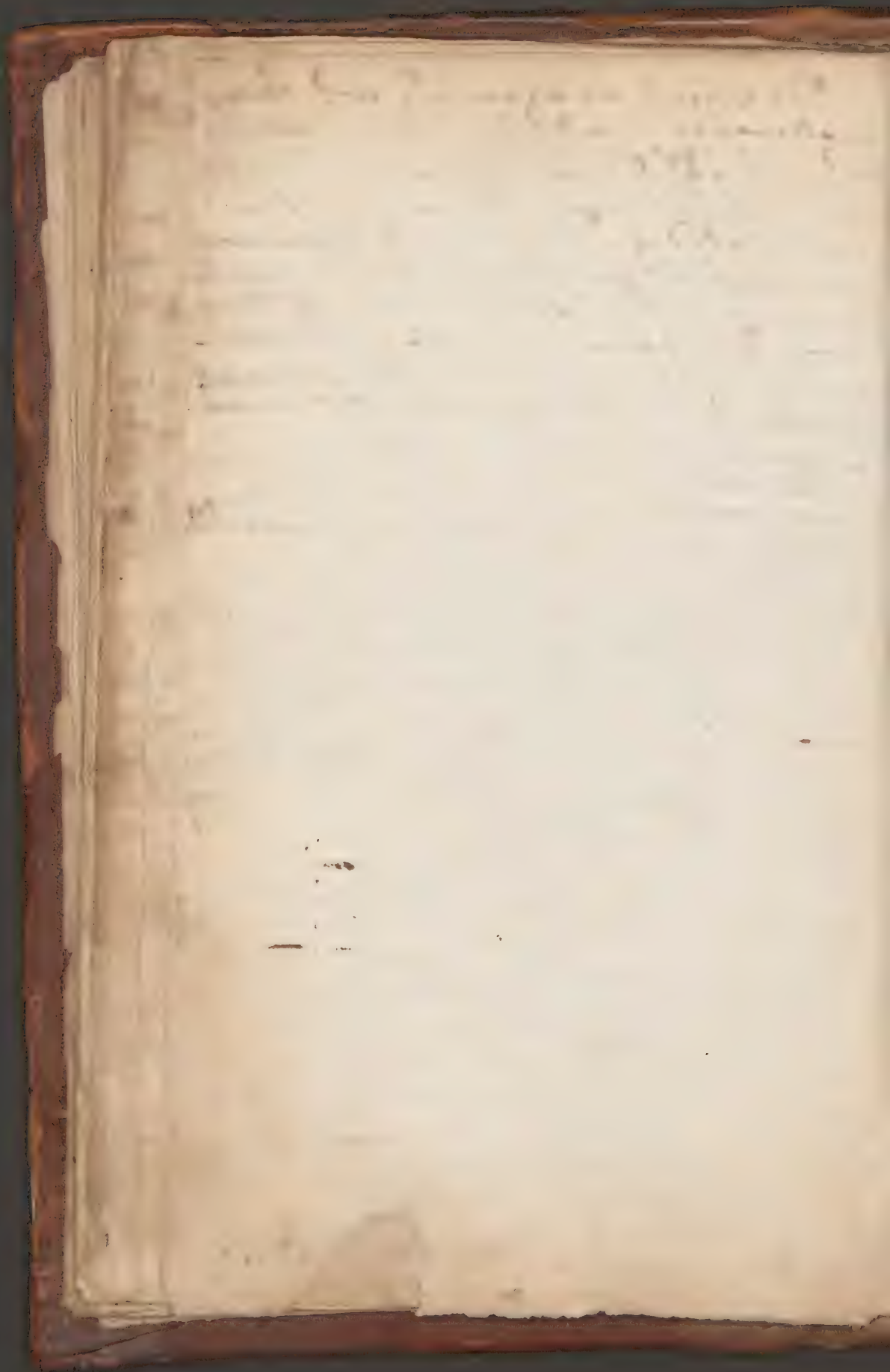
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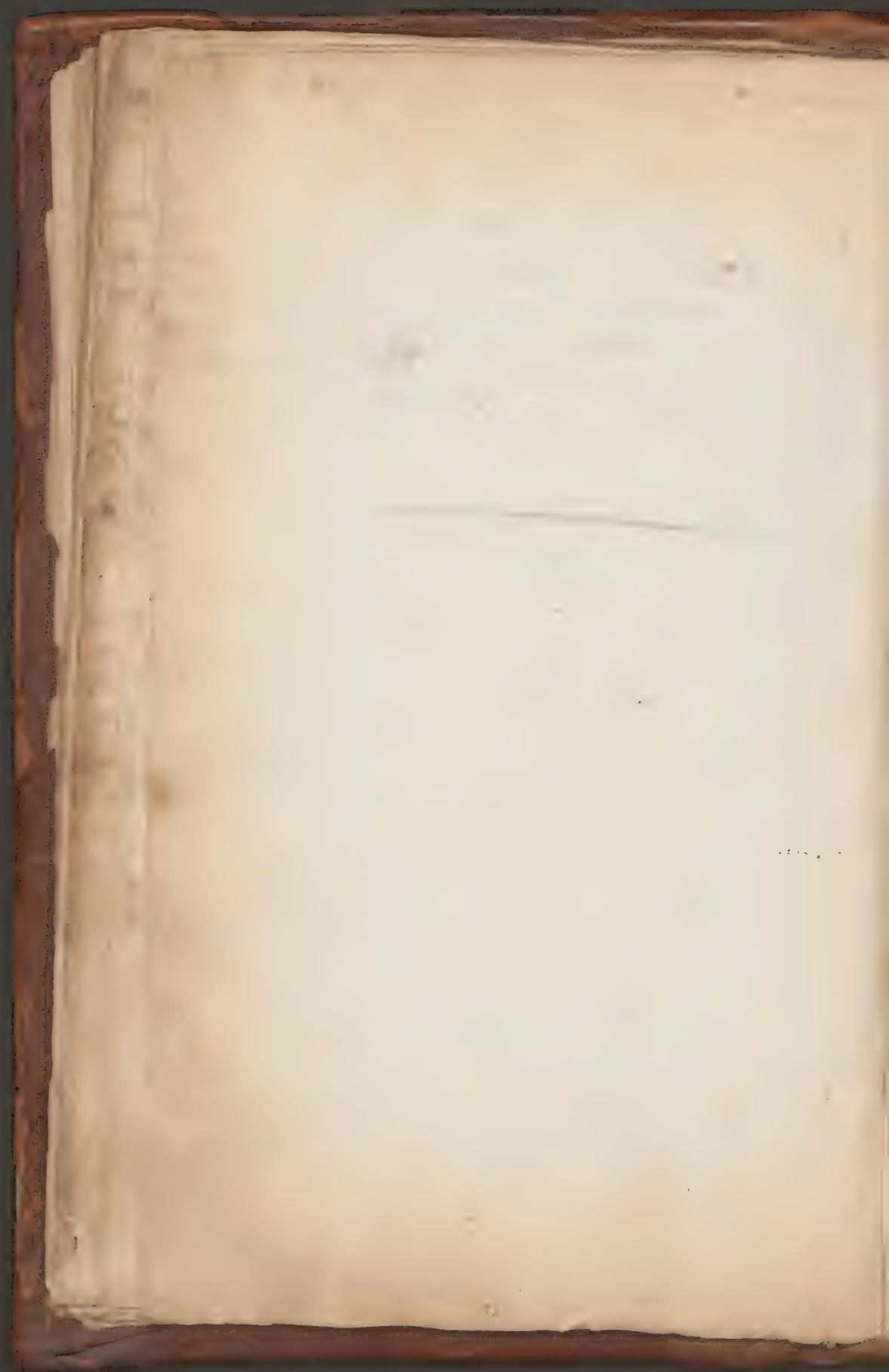
I think that if a man is to be used
in any of these ways, he must be
treated as a man, and not as a beast.



In this island, while
you are so much a
hospitality by instinct, we shall
find that more of the
one employment. The
vegetable food - those
kinds of vegetables, called
Savages, who are - have it
that with the other, we find
the more of them in giving
a hunting & thereby agriculture
then was made to the people
of whole earth & the benefit of
employment of the old but fitted to
employment food as has been
procured in every part of
the world. In one country, where
employment has been made
of vegetables as to food, & in another
a different animal has been made
the food, but there ^{is} one
species of animal
spread over the whole
earth, except man himself
whose meat food, though
he can be fed, there is
constituted the principal
part of his food. ~~The~~ ^{is} ~~the~~
animal of large size
in Lapland, where
is almost common.

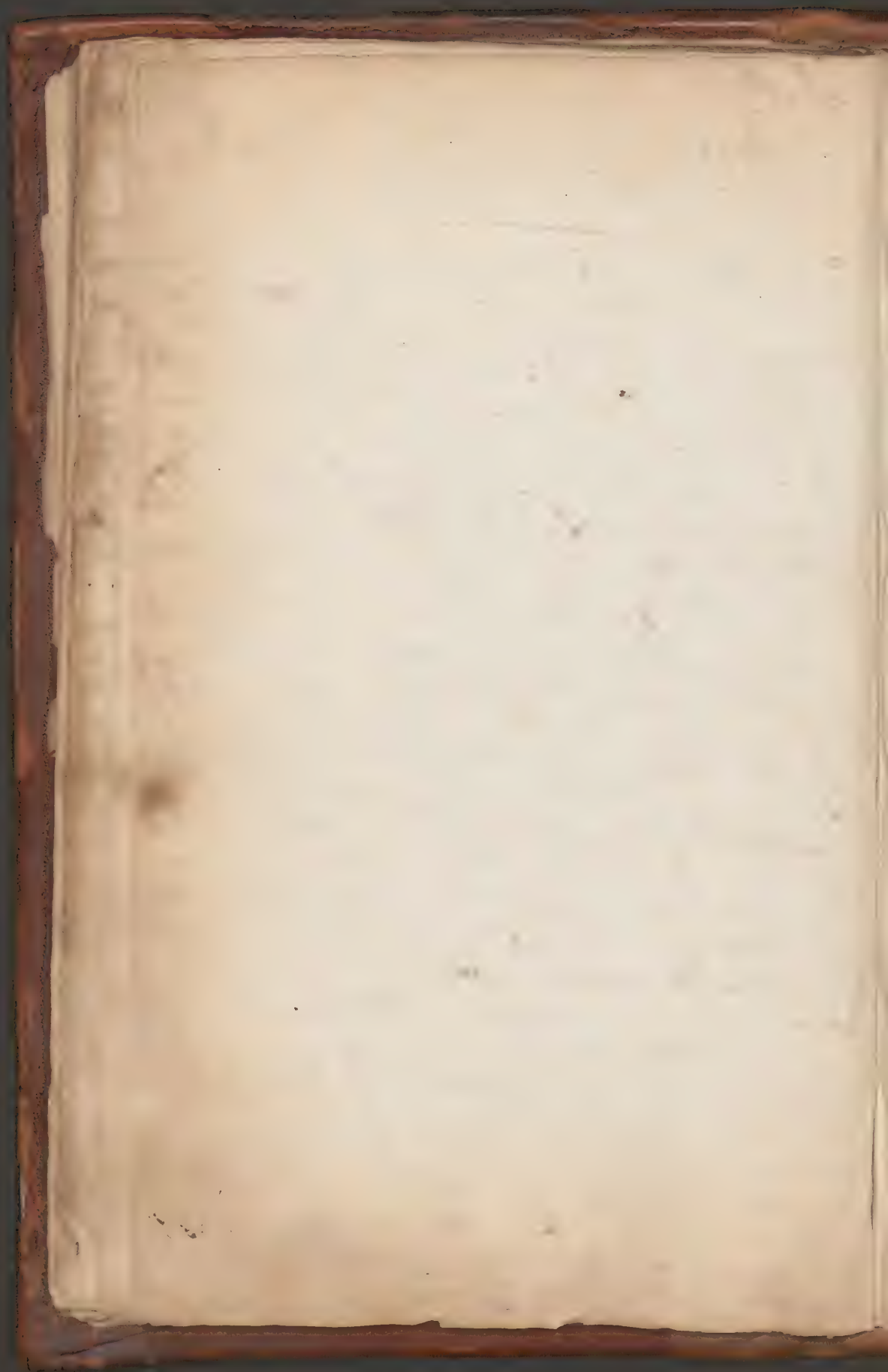
No! In Iceland During the
winter they feed their cows
with ~~the~~ fish — This is remark-
able as it is contrary to the natl. instinct —
that indeed it is nearly the
same as our teaching dogs to
eat bread.

we are to suppose that vegetables
grow but not that they are
as much as food for the
species of the herb. And in this
case, the animals can live
on (a) — From all these
considerations it seems very clear
that animal food was
intended for human
as well as vegetable.



Differences b^{tw}. Animal
& Vegetable Food.

[illegible]



animal the quantity of food
and nutriment absorbed is
greater proportion to the quantity
of the animal
subst. be employed for food
of animals that are disposed to
eat much, the quantity of food
more varied parts of food
blood less ~~part~~ larger of fluids are
not so easily absorbed and
because there's greater resistance

Org. the heart, if it yett not all
disposed to contract, when there's
more water of food passes off
more easily than when there's a
larger quantity of food passed & easily by
for these occasions resist part. having
a property from food then is resist
rather for inspired, & resist for mixed blood
which is good skin. much more
than resist & is sooner digested

Org. food is more difficult to digest
than good food, for the stomach of some
ant. who live on water is more
multiplied to 4 or 5 & is in itself
is longer but in those who live
on ant. food is shorter & in itself
are shorter in birds the
rougher parts of food
digestion of food
The single count in the
larger quantity of water than
and of food. At the corners
of the eye in birds of food
in water with ant. of food
of food & accas



quency of interest. perhaps but this
is the earlier objection, and
as it stands now, it divides
of system more than not. &
there is in it a in many
directions

Almost all those faults which
have been treated of in the paper
of these ideas with regard to
it is a totally diff. thing for what
we can take of. I suppose ones
I mean I should be to take of various
intensions in a good sense. It
glances, & I suppose of course to be a
favorite of J. B. & others. Then
we as a general & I think I understand
superficially. making facts & c. & others
we see how has been in the. in
light, & still can't comprehend many
of our own in light.
I may have thought that I
better to give one sort of
than not. In much we're
observed. There are 3 things
brought together - I'm not who
use more than one species
there's also a disposition to vary
the species of persons in one
thing, & another in another
as one is more successful
another more just. & c. & c.
one is corrected by J. B. & others
or there's a constant correction
the variety in J. B. is so great
there's a great temptation to make
much of it. I'm not sure
to set such large ground.

[The text on this page is extremely faint and illegible due to fading and bleed-through from the reverse side. It appears to be a continuous paragraph of handwritten text.]

food or use do - for the food
 of when if Spaniards were
 of amongst Indians in America,
 they were allowed 4 times as much
 food as the latter in y^{rs} it
 A quarry of fat is easily deposed
 in a well in mud in mud
 and is converted by some means
 or they ultimately into water
 a Phosgene of - now when phos
 are phosgene, & comb. ap^{ts} to
 know of a quarry of & superphos
 phate, great quantities of
 in water, are found of it
 a large quarry of it is found of
 & it is flow of it
 of whole system is

Lecture 9. Of Animal Food.

Animal nutriment may be divided
 into solid when uncombined, &
 water, & fl. when combined with it
 The solids of an^l are almost all
 of fibrous - They differ from one
 another according to size - the
 have fibres, present in surface
 of & are of juice & are of beef
 more digested than
 In of most of quantity of
 mostly between their fibres
 in the largest quantity of
 in their fibres, are more easily digested
 The facility of digestion is great
 of fl. requires longer time solid
 than it may be



early dipoloid - Some giv. are a
much sooner dipoloid in water
than others and that p. is
most early dip. in f. stam. is of
course, more early dipoloid - It is
made to be observed of volut. types
p. much more readily in f. stam. than
it is out of it in f. same degree
of heat - It is of f. ferment. in p. takes
p. in f. stam. in dipoloid it is
of this ferment. does not go on
and digested, but like p. putrid
subst. apt to run into one ferment.
are very apt to run into another
also - Such p. then as is apt to putrefy
early ~~into~~ ^{effers} into ferment. &
corroding is soon digested in f. stam.
In f. stam. p. is much more
digested much more raised, & then
much more to any subst. than
others - The meat of a young an.
is much more raised, than the fold
ones - and some f. forms a more
gelatinous & mixed solution than
others - All an. f. w. p. have a
coursed deg. of gelatinous is a less
hard of digestion - I shall fish, a
oysters, Colsters &c. are of this kind
& have often prod. such mixture
during digestion as to prove false
- mixture of 2 p. small
I read, & f. p. have
same kind & some p. late



symptoms of it. In fact the heart
said of poison was taken in
the first of that oysters had been
on the 22 of September &c. - but this
is impossible, for if blue with
be given, it will not be so.
in fact of 9. had - but only with
very & purg - a certain
unpleasant but accompanied
these symptoms

Food which contains a large quantity
of essential oil, is indicated by
the high flavor is also of the
digestion - It will be very
well digested by strong stomachs
but not by weak ones - There
are 3. diff. kinds of animal food, 1st
solid, 2nd. liquid, 3rd. mixed.

Lecture 11. Animal Food contd.

Animal food is seldom made
of the purest. It is frequently taken in
the stomach dissolved in water, and
from it gives very little nourishment
it be absorbed. - It is sometimes
some other solid substance - Every body
if it be very fluid, it is easily
given in the stomach, if it is not
easily absorbed - & forms a mass

la fawn &c.

hard subst. very hard & dry
 we must add to it of oil of sweet
 almond & ginseng & other. & of
 oil — The ginseng juice
 only to coat it. & get it of solids also
 & thereof we coat an. solids before
 we throw in it of. Stom. —
 We coagulate it ~~then~~ in 7, & don't
 leave it to of. coat. & juice of
 Stom. & sugar. — ~~It is~~ coat it
 by heat as by roasting before, & we
 The juices are by this means better
 retained — but then of flavor for
 preserv. oil is required, & crypsine
 is added often — Fresh and good as
 is not high flavored and is of
 best roasted — or it may be built
 The juices are less retained
 of. better way — but of. open. oil is
 dissipated — We may also
 heat an. of by exposing it to heat
 in oil (we call frying) w^{ch} also
 a deg. of empyreuma, w^{ch} is of
 food very improper in diet —
 There are 2 methods by w^{ch} we
 prepare a good food —
 The an. food, w^{ch} are easier
 digestion than any quadrupeds,
 birds & hares — The com. quadrupeds
 are useless, as a beef, & mutton.
 venison are easy of digestion.
 The com. ~~birds~~ are harder of digestion
 than of. f. f. f. & w^{ch} are, mutton &c.
 of birds of small classes of gall.
 & hares are of. easier digestion.



as common on fowls - turkeys
geese, partridges

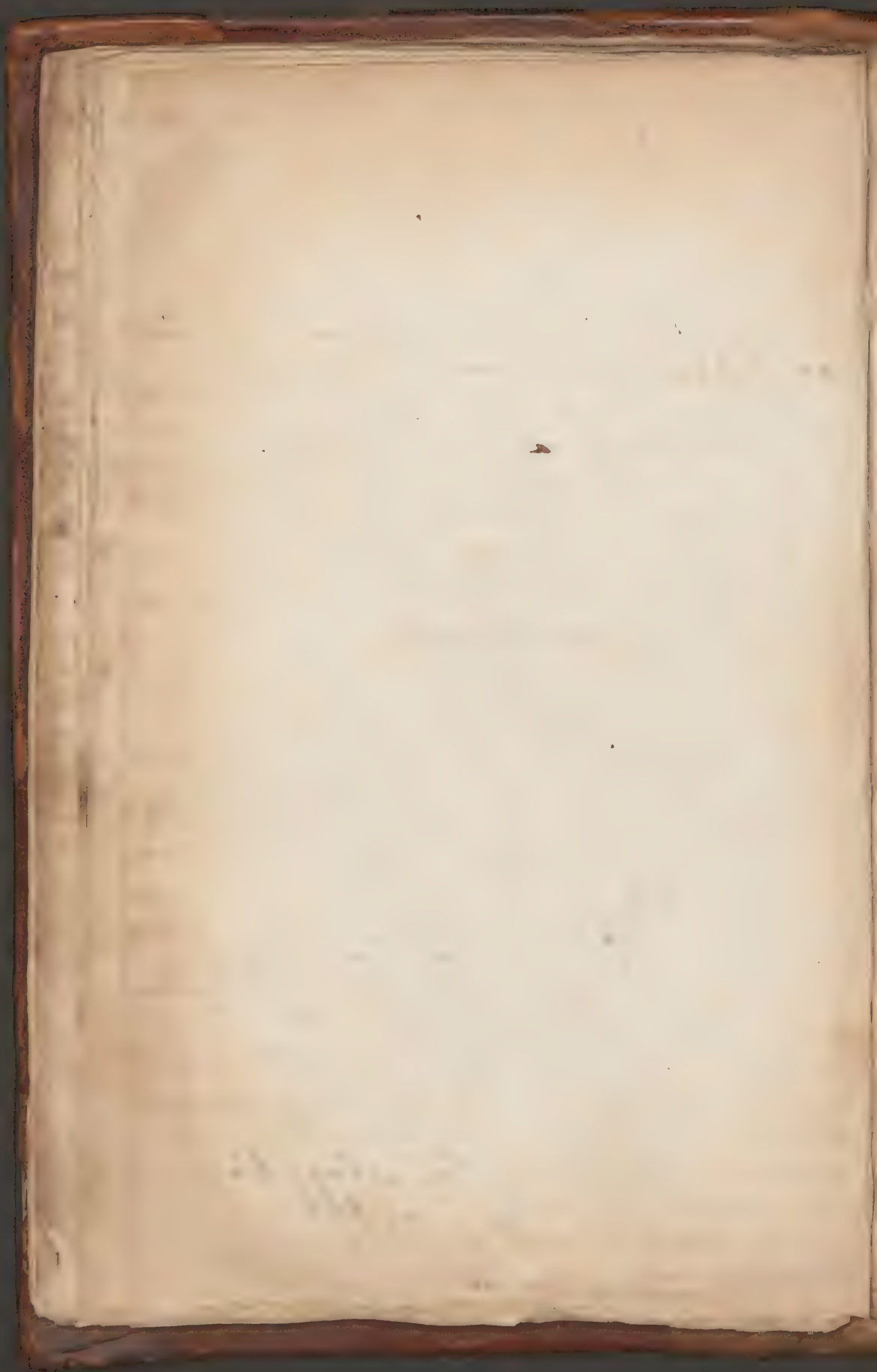
Of fish such as are suitable for
solid food, too flabby & are repulsive
& do not abound in spirit oil
in herring, flounders &c

All insects & reptiles are of
difficult digestion

There then are 3 subst. we
employ for nourishment - but we
also employ subst. to forward their
digestion, w^{ch} have themselves no
nourishment, w^{ch} we call
condiments - but of these to-morrow

Chap. II. Of Condiments.

Since of Digest. depends upon the
action of the stomach of the w^{ch} enters
into the saccharine & spirit oils, or
parts of the food. The stimulus
increases the action of the stomach & increases
the power of digestion - There are
essentially 4 classes employed for this
purpose - The 1st class consists of
minerals or spices - They do not belong
to any natl. class of plants - They
grow in a warm climate & the
will not in a cold one - The
2nd class is green & fresh - It is
in warm climates, the relaxation
is consid^l & part of the food ought to be
acid; and therefore they are very
proper



The 2^d class consists of the *Hydruaria*
clitellata of four sorts, such as
Conseradus &c. of. latter garden
snails &c. They are not influenced
are therefore little to be used in
cold than warm climates. They
will not grow in warm climates
or at best when come to perfection.

There's another interesting class
in 1st of *Hydruaria* & *Limnaea*
as page 22 of 2. *Hydruaria* & *Limnaea*
Stimulata of. *Stimulata* tends to weaken
it after of. *Stimulata* & *Stimulata*
them of. They are not to be used
except when *P. canis* & *P. canis*
digested with *canis*. If heat too
large & quantity of *P. canis* of. of very
much digested. *Stimulata* better to employ
as they have less pernicious
than of. *Stimulata* & *Stimulata*.

The next class is of the *Hydruaria* & *Limnaea*
and acids. *Hydruaria* & *Limnaea* are
acids. *Hydruaria* & *Limnaea* are
as to acids & *Hydruaria* & *Limnaea*
gastric juice. A few drops of
acid taken before of. *Hydruaria* & *Limnaea*
will *Hydruaria* & *Limnaea* appetite
of *Hydruaria* & *Limnaea* with of. *Hydruaria* & *Limnaea*
there's no appetite, it of. *Hydruaria* & *Limnaea*
be digested and then in the
cases we may use acids. *Hydruaria* & *Limnaea*
also take of any disagreeable
taste.

10. The first of these is a copy of the

121. I suppose it is naturally true
that the mind is not of the same effect

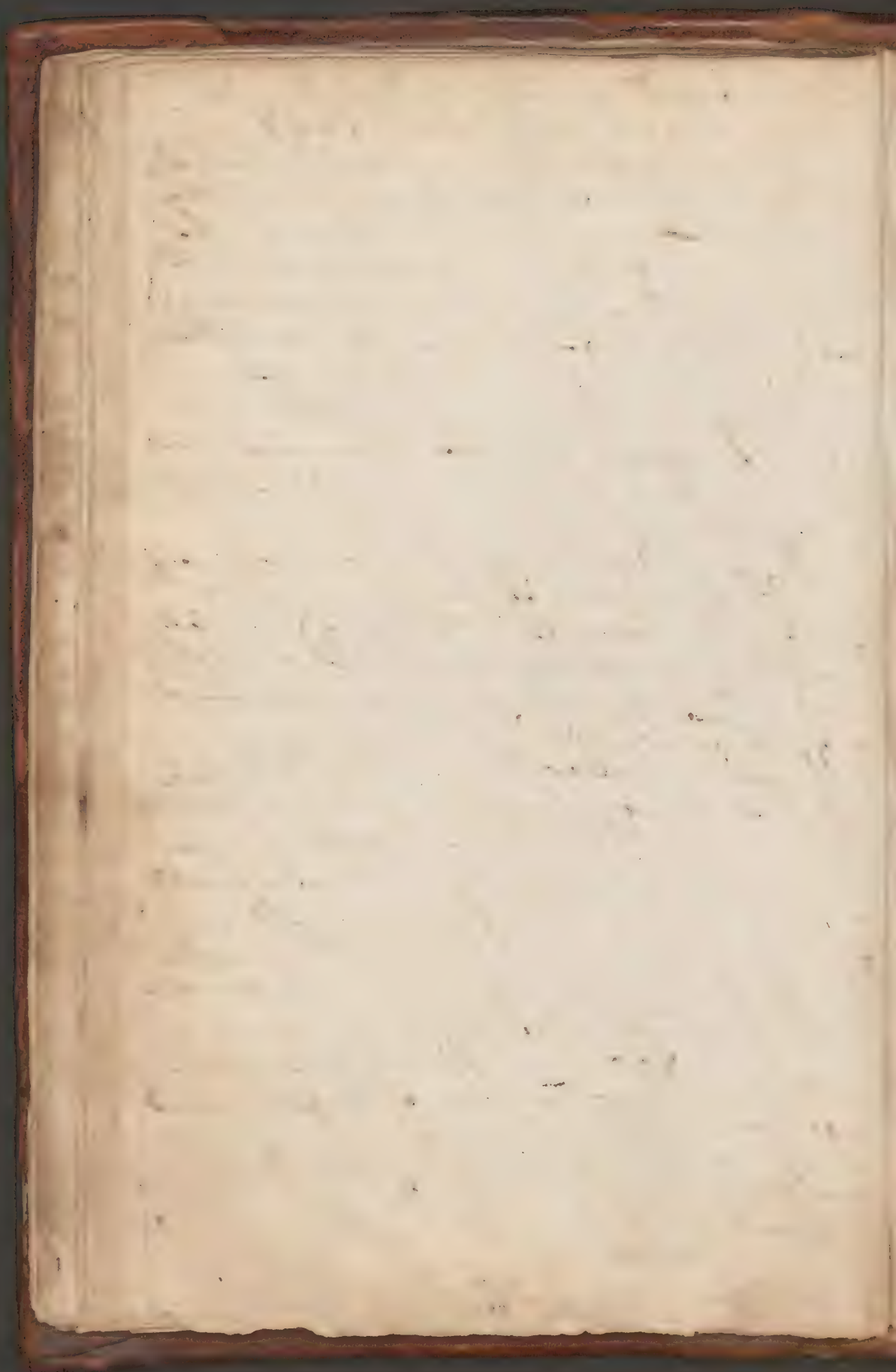
2nd 1/2 per Dr. ¹ ² ³ ⁴ ⁵ ⁶ ⁷ ⁸ ⁹ ¹⁰ ¹¹ ¹² ¹³ ¹⁴ ¹⁵ ¹⁶ ¹⁷ ¹⁸ ¹⁹ ²⁰ ²¹ ²² ²³ ²⁴ ²⁵ ²⁶ ²⁷ ²⁸ ²⁹ ³⁰ ³¹ ³² ³³ ³⁴ ³⁵ ³⁶ ³⁷ ³⁸ ³⁹ ⁴⁰ ⁴¹ ⁴² ⁴³ ⁴⁴ ⁴⁵ ⁴⁶ ⁴⁷ ⁴⁸ ⁴⁹ ⁵⁰ ⁵¹ ⁵² ⁵³ ⁵⁴ ⁵⁵ ⁵⁶ ⁵⁷ ⁵⁸ ⁵⁹ ⁶⁰ ⁶¹ ⁶² ⁶³ ⁶⁴ ⁶⁵ ⁶⁶ ⁶⁷ ⁶⁸ ⁶⁹ ⁷⁰ ⁷¹ ⁷² ⁷³ ⁷⁴ ⁷⁵ ⁷⁶ ⁷⁷ ⁷⁸ ⁷⁹ ⁸⁰ ⁸¹ ⁸² ⁸³ ⁸⁴ ⁸⁵ ⁸⁶ ⁸⁷ ⁸⁸ ⁸⁹ ⁹⁰ ⁹¹ ⁹² ⁹³ ⁹⁴ ⁹⁵ ⁹⁶ ⁹⁷ ⁹⁸ ⁹⁹ ¹⁰⁰ ¹⁰¹ ¹⁰² ¹⁰³ ¹⁰⁴ ¹⁰⁵ ¹⁰⁶ ¹⁰⁷ ¹⁰⁸ ¹⁰⁹ ¹¹⁰ ¹¹¹ ¹¹² ¹¹³ ¹¹⁴ ¹¹⁵ ¹¹⁶ ¹¹⁷ ¹¹⁸ ¹¹⁹ ¹²⁰ ¹²¹ ¹²² ¹²³ ¹²⁴ ¹²⁵ ¹²⁶ ¹²⁷ ¹²⁸ ¹²⁹ ¹³⁰ ¹³¹ ¹³² ¹³³ ¹³⁴ ¹³⁵ ¹³⁶ ¹³⁷ ¹³⁸ ¹³⁹ ¹⁴⁰ ¹⁴¹ ¹⁴² ¹⁴³ ¹⁴⁴ ¹⁴⁵ ¹⁴⁶ ¹⁴⁷ ¹⁴⁸ ¹⁴⁹ ¹⁵⁰ ¹⁵¹ ¹⁵² ¹⁵³ ¹⁵⁴ ¹⁵⁵ ¹⁵⁶ ¹⁵⁷ ¹⁵⁸ ¹⁵⁹ ¹⁶⁰ ¹⁶¹ ¹⁶² ¹⁶³ ¹⁶⁴ ¹⁶⁵ ¹⁶⁶ ¹⁶⁷ ¹⁶⁸ ¹⁶⁹ ¹⁷⁰ ¹⁷¹ ¹⁷² ¹⁷³ ¹⁷⁴ ¹⁷⁵ ¹⁷⁶ ¹⁷⁷ ¹⁷⁸ ¹⁷⁹ ¹⁸⁰ ¹⁸¹ ¹⁸² ¹⁸³ ¹⁸⁴ ¹⁸⁵ ¹⁸⁶ ¹⁸⁷ ¹⁸⁸ ¹⁸⁹ ¹⁹⁰ ¹⁹¹ ¹⁹² ¹⁹³ ¹⁹⁴ ¹⁹⁵ ¹⁹⁶ ¹⁹⁷ ¹⁹⁸ ¹⁹⁹ ²⁰⁰ ²⁰¹ ²⁰² ²⁰³ ²⁰⁴ ²⁰⁵ ²⁰⁶ ²⁰⁷ ²⁰⁸ ²⁰⁹ ²¹⁰ ²¹¹ ²¹² ²¹³ ²¹⁴ ²¹⁵ ²¹⁶ ²¹⁷ ²¹⁸ ²¹⁹ ²²⁰ ²²¹ ²²² ²²³ ²²⁴ ²²⁵ ²²⁶ ²²⁷ ²²⁸ ²²⁹ ²³⁰ ²³¹ ²³² ²³³ ²³⁴ ²³⁵ ²³⁶ ²³⁷ ²³⁸ ²³⁹ ²⁴⁰ ²⁴¹ ²⁴² ²⁴³ ²⁴⁴ ²⁴⁵ ²⁴⁶ ²⁴⁷ ²⁴⁸ ²⁴⁹ ²⁵⁰ ²⁵¹ ²⁵² ²⁵³ ²⁵⁴ ²⁵⁵ ²⁵⁶ ²⁵⁷ ²⁵⁸ ²⁵⁹ ²⁶⁰ ²⁶¹ ²⁶² ²⁶³ ²⁶⁴ ²⁶⁵ ²⁶⁶ ²⁶⁷ ²⁶⁸ ²⁶⁹ ²⁷⁰ ²⁷¹ ²⁷² ²⁷³ ²⁷⁴ ²⁷⁵ ²⁷⁶ ²⁷⁷ ²⁷⁸ ²⁷⁹ ²⁸⁰ ²⁸¹ ²⁸² ²⁸³ ²⁸⁴ ²⁸⁵ ²⁸⁶ ²⁸⁷ ²⁸⁸ ²⁸⁹ ²⁹⁰ ²⁹¹ ²⁹² ²⁹³ ²⁹⁴ ²⁹⁵ ²⁹⁶ ²⁹⁷ ²⁹⁸ ²⁹⁹ ³⁰⁰ ³⁰¹ ³⁰² ³⁰³ ³⁰⁴ ³⁰⁵ ³⁰⁶ ³⁰⁷ ³⁰⁸ ³⁰⁹ ³¹⁰ ³¹¹ ³¹² ³¹³ ³¹⁴ ³¹⁵ ³¹⁶ ³¹⁷ ³¹⁸ ³¹⁹ ³²⁰ ³²¹ ³²² ³²³ ³²⁴ ³²⁵ ³²⁶ ³²⁷ ³²⁸ ³²⁹ ³³⁰ ³³¹ ³³² ³³³ ³³⁴ ³³⁵ ³³⁶ ³³⁷ ³³⁸ ³³⁹ ³⁴⁰ ³⁴¹ ³⁴² ³⁴³ ³⁴⁴ ³⁴⁵ ³⁴⁶ ³⁴⁷ ³⁴⁸ ³⁴⁹ ³⁵⁰ ³⁵¹ ³⁵² ³⁵³ ³⁵⁴ ³⁵⁵ ³⁵⁶ ³⁵⁷ ³⁵⁸ ³⁵⁹ ³⁶⁰ ³⁶¹ ³⁶² ³⁶³ ³⁶⁴ ³⁶⁵ ³⁶⁶ ³⁶⁷ ³⁶⁸ ³⁶⁹ ³⁷⁰ ³⁷¹ ³⁷² ³⁷³ ³⁷⁴ ³⁷⁵ ³⁷⁶ ³⁷⁷ ³⁷⁸ ³⁷⁹ ³⁸⁰ ³⁸¹ ³⁸² ³⁸³ ³⁸⁴ ³⁸⁵ ³⁸⁶ ³⁸⁷ ³⁸⁸ ³⁸⁹ ³⁹⁰ ³⁹¹ ³⁹² ³⁹³ ³⁹⁴ ³⁹⁵ ³⁹⁶ ³⁹⁷ ³⁹⁸ ³⁹⁹ ⁴⁰⁰ ⁴⁰¹ ⁴⁰² ⁴⁰³ ⁴⁰⁴ ⁴⁰⁵ ⁴⁰⁶ ⁴⁰⁷ ⁴⁰⁸ ⁴⁰⁹ ⁴¹⁰ ⁴¹¹ ⁴¹² ⁴¹³ ⁴¹⁴ ⁴¹⁵ ⁴¹⁶ ⁴¹⁷ ⁴¹⁸ ⁴¹⁹ ⁴²⁰ ⁴²¹ ⁴²² ⁴²³ ⁴²⁴ ⁴²⁵ ⁴²⁶ ⁴²⁷ ⁴²⁸ ⁴²⁹ ⁴³⁰ ⁴³¹ ⁴³² ⁴³³ ⁴³⁴ ⁴³⁵ ⁴³⁶ ⁴³⁷ ⁴³⁸ ⁴³⁹ ⁴⁴⁰ ⁴⁴¹ ⁴⁴² ⁴⁴³ ⁴⁴⁴ ⁴⁴⁵ ⁴⁴⁶ ⁴⁴⁷ ⁴⁴⁸ ⁴⁴⁹ ⁴⁵⁰ ⁴⁵¹ ⁴⁵² ⁴⁵³ ⁴⁵⁴ ⁴⁵⁵ ⁴⁵⁶ ⁴⁵⁷ ⁴⁵⁸ ⁴⁵⁹ ⁴⁶⁰ ⁴⁶¹ ⁴⁶² ⁴⁶³ ⁴⁶⁴ ⁴⁶⁵ ⁴⁶⁶

Not only men use salt, but also
other animals, and animals living
in salt ~~marshes~~ are shown to be
be much fatter. In some countries
they practice to give animals
salt with their food - they some of them
will even eat a certain quantity
by itself. These are instances which
do not afford ~~any~~ nourishment
themselves but it is a remedy which
is given.

Express Daily, and grace in many
in the presence of God, and in the
fact - they served to the glory of
and devotion, and many. And last
and with the great of the animal
a high sign of the Lord. 22 Oct 1888

& Sugar has also been employed to take
 off flatulency, because a more
 concentrated solution into Symp-
 is left apt to the flatulency than a weak
 one. It has therefore been employed in
 youth, &c. have not in themselves
 a sufficient quantity of sugar. Sugar also
 tends to check the putrefaction of
 animal food. There are three
 useful measures of the foregoing
 diet than the

I off. with me am glad for training
water in the principal - I is
to be used. & effect in the system - the
place becomes a small
in the fact, in I. 2^d to be used



I believe a further note on this
of. let's suppose - It has been
of a mother's milk and also has been
proposed by an I subject to consider
pure water as the most proper
for people to drink. But it certainly
is not the most proper for either of
these purposes - ~~The fluid is a natural~~
~~applied to act as a nutrient~~ for if
good, and by no means pure water
but have all a certain deg. of
viscosity in them. Saliva has
a more viscid & a denser nature - &
if gastric juice also contains a
quantity of mucilag. matter. This
was ~~very~~ necessary if they might
be retained in the stomach in the
stomach and be easy to be from
good. Mucilag. matter dissolved
in water, forms a very proper
for this purpose.

Weak wines tend to forward the
movement of the stomach - and wine
is also a stimulant to the
stomach and tends to a greater deg.
Wines therefore, in such quantities
and to a greater degree of intoxication
forward if digestion - and are
properly employed as a nutrient for
of good than pure water. It is
happened that in such cases the

12) A large quan. of pure water be
drawn ~~from~~ it is often drawn of
by the force of f. rain or by the
midnight sun, nearly as pure as it
was drawn in

6) It is just f. same as cap. of f. fluid,
In this case the structure of
the alloy after the destruction of part
of the metal will be
the same

have to account for to millions
regions in common a small tree
a few of the same kind in this country
that they are to be persuaded to leave
and of a very dry water alone, they
have to be troubled with numerous
eruptions, & other marks of indigestion
in most places, water is often
by no means so proper to carry
off saline & superfluous humors,
if we can find something in it
which (as there is) certain to be some
which can be substituted in its place
its property of so readily, & to make
it somewhat in of it, to till it has
time to be blended so thoroughly with
the blood as to carry off with it superfluous
quantity of saline & ~~other~~ evil humors

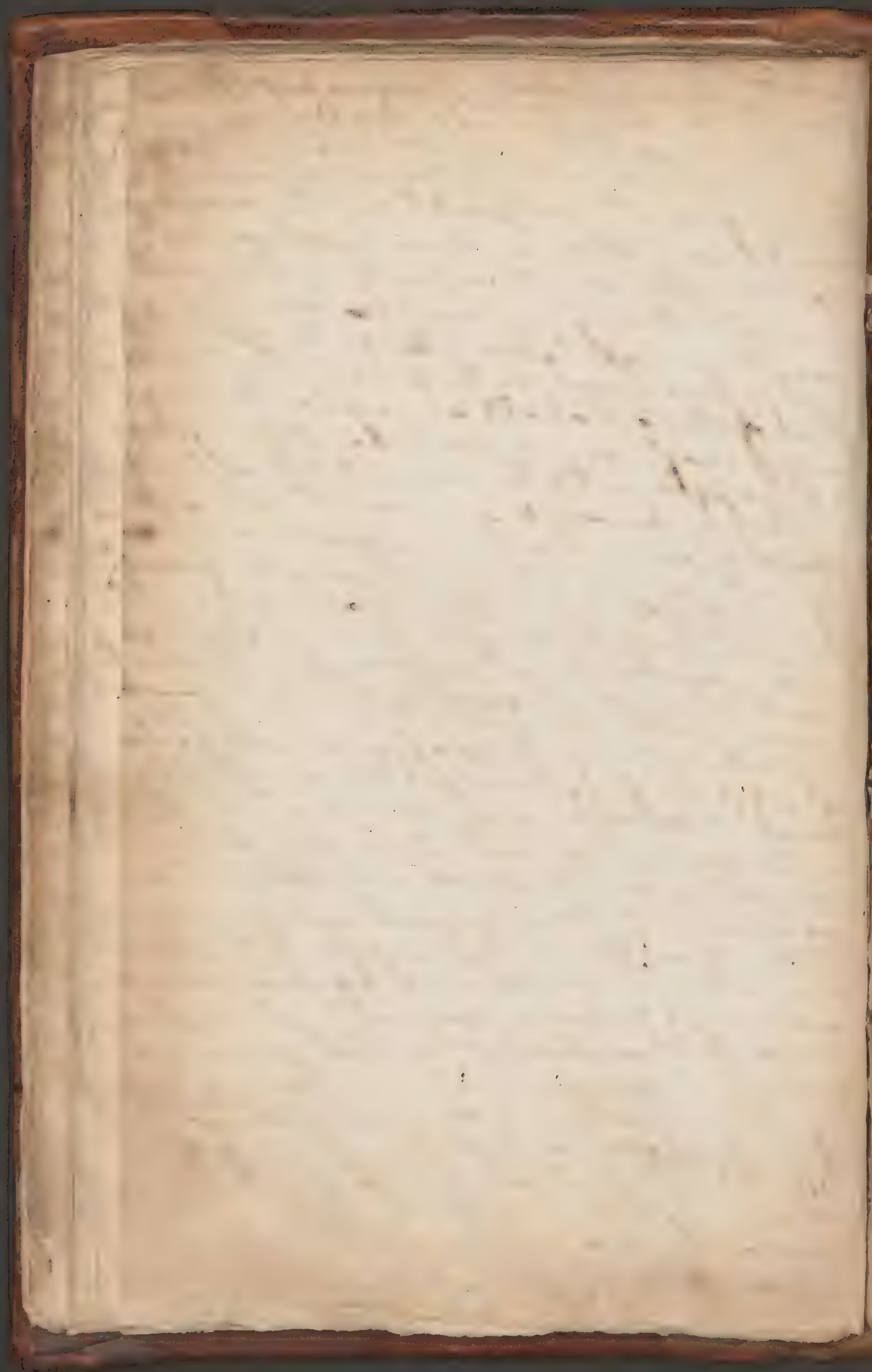
Sept. 13th K. Astringents.

Give to the ~~fine~~ a grain, or
more of a fibre, or more of a grain,
solid, & apply to it an infusion
of oak-bark, & a grain of it will be
made to contract - to become shorter
& tighter - When these are applied
subsequently in the following order
the blood is made to contract in the same
manner, & accordingly the blood
but when we come to attend to the
manner in which the blood is
we shall find it is in the
solid part, & the
incombinable substance is separated

(a) When we do actually apply sub-
stances enough to feed. They can
use till the point, & make it
necessary if it should be foliated, so
it is except to act as caustic, such
a thing I cannot see us

(b) We have good reason to believe
if I actually refuse the abolition
of things out need. at least in the
a very distant state, for if the
into the state of any kind, or an
infusion of it. There is the
old doctrine, that a quantity of style
I apply to it a solution of any kind
it does not need of a just plain black
color as it should be. if it could
any such coloring matter —

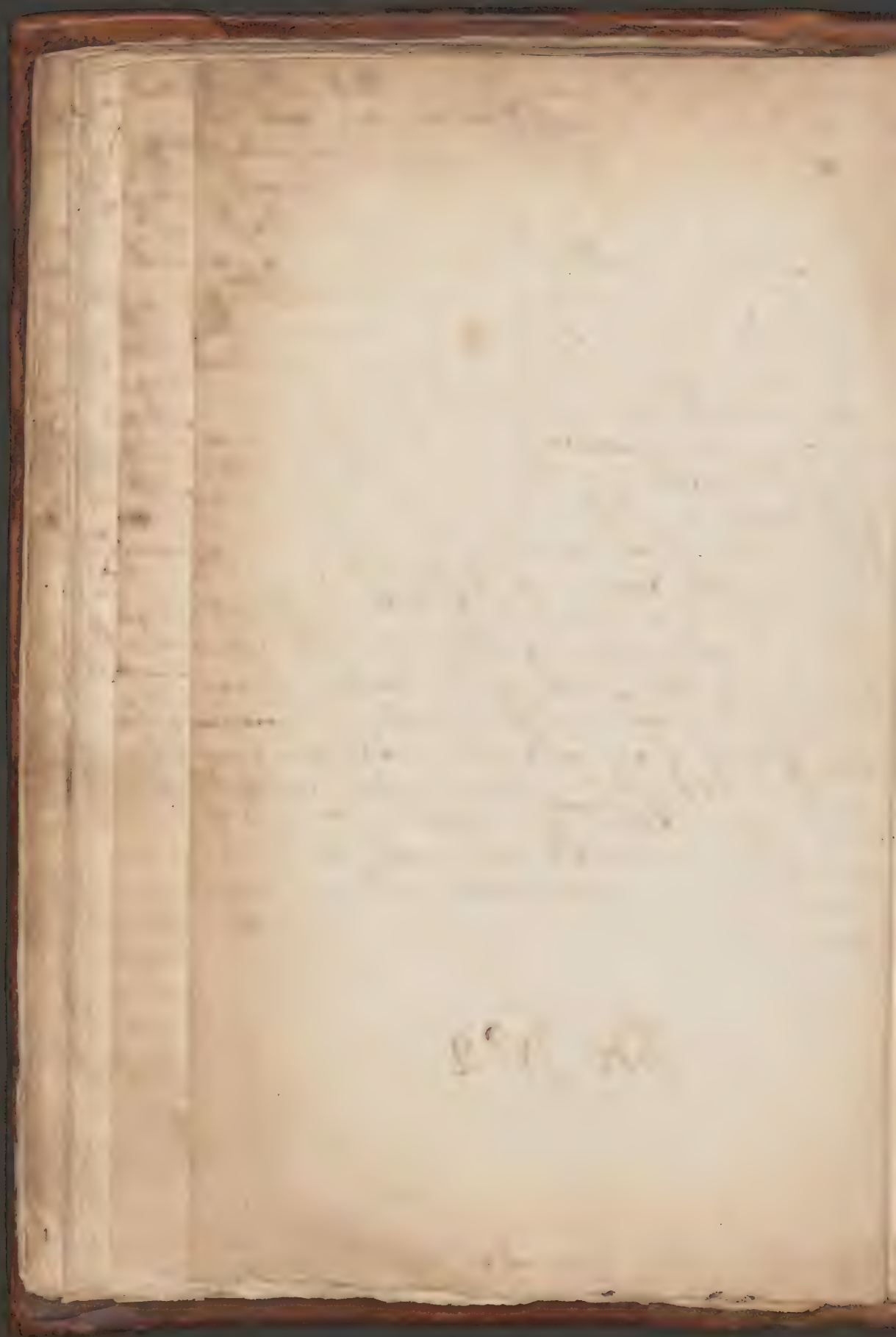
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more than of quantity in N^o 5. It
is so diluted a solution as not to
be capable of acting as a caustic
in this case or when applied
We must therefore reject the idea
of uniting it altogether. — There is
some time & we simply contract the
single fibres, as when I apply it
when we apply it to fibres of a dead
body; but all strength act in
the nerve power. — We apply no
strength to act on the simple matter
of a body, unless when we simply
mean to act as caustics.

Strength does not depend on the
strength of a single fibre, so if it
strength did give greater cohesion
power to the fibres of the body, they
would become stronger by of means.
The fibres of an old animal are going
much thinner & more coarse
thinner than ^{most} of a young one; &
an old animal cannot contain
as much strength as a
young one.

Vide N^o 2



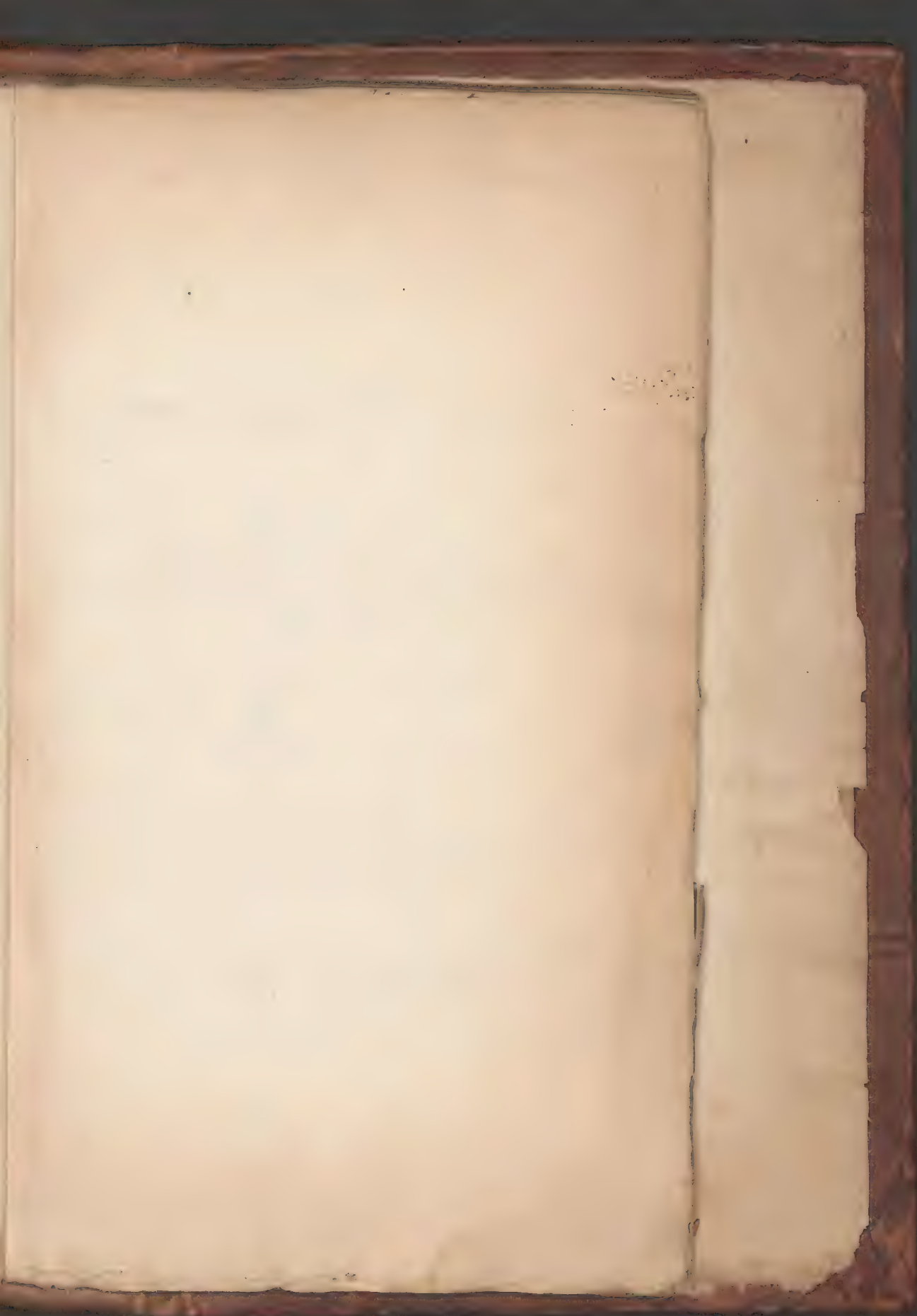
Geo. Fordyce

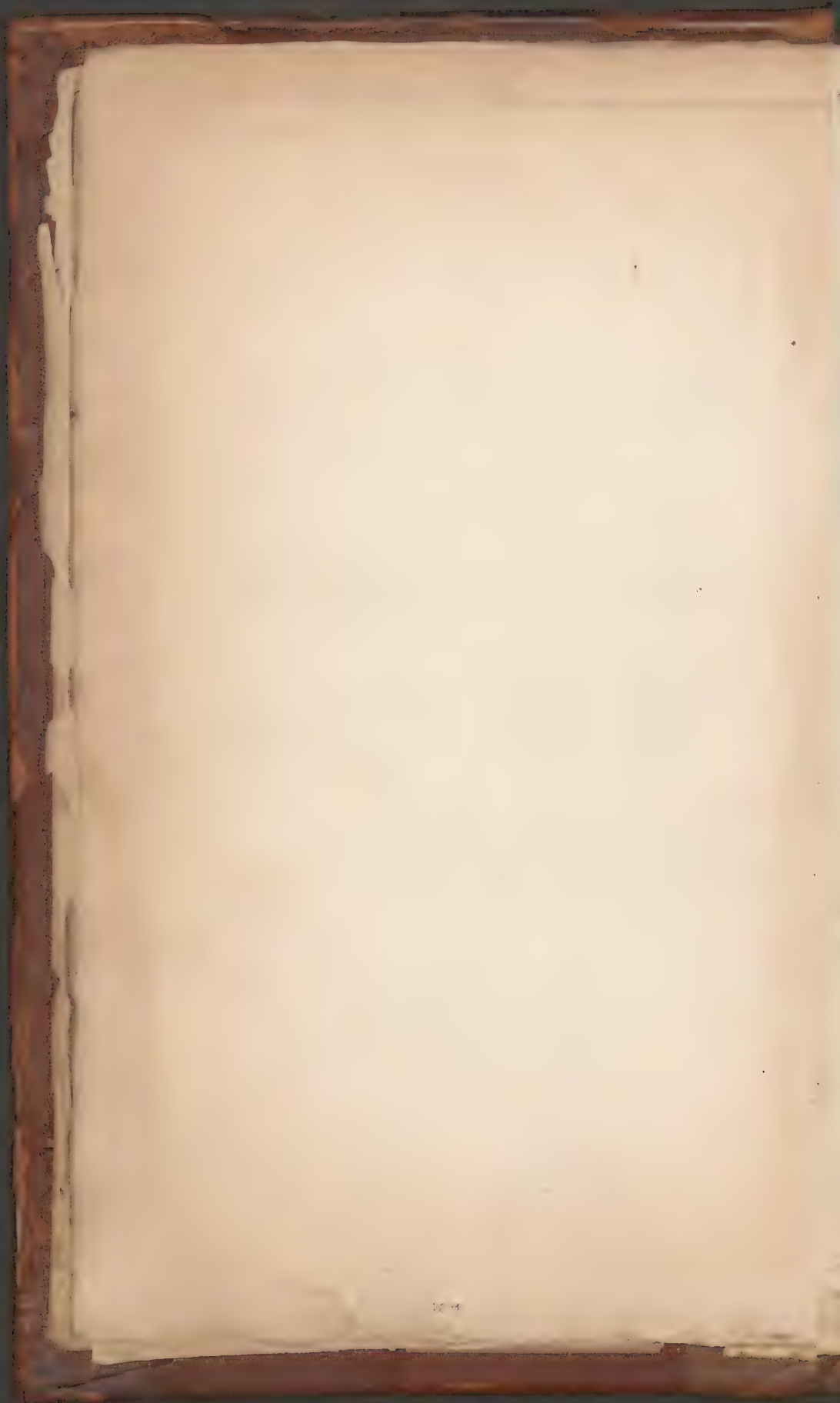
Lectures
on the
Materia Medica.

By Doct. Geo. Fordyce

N^o 2

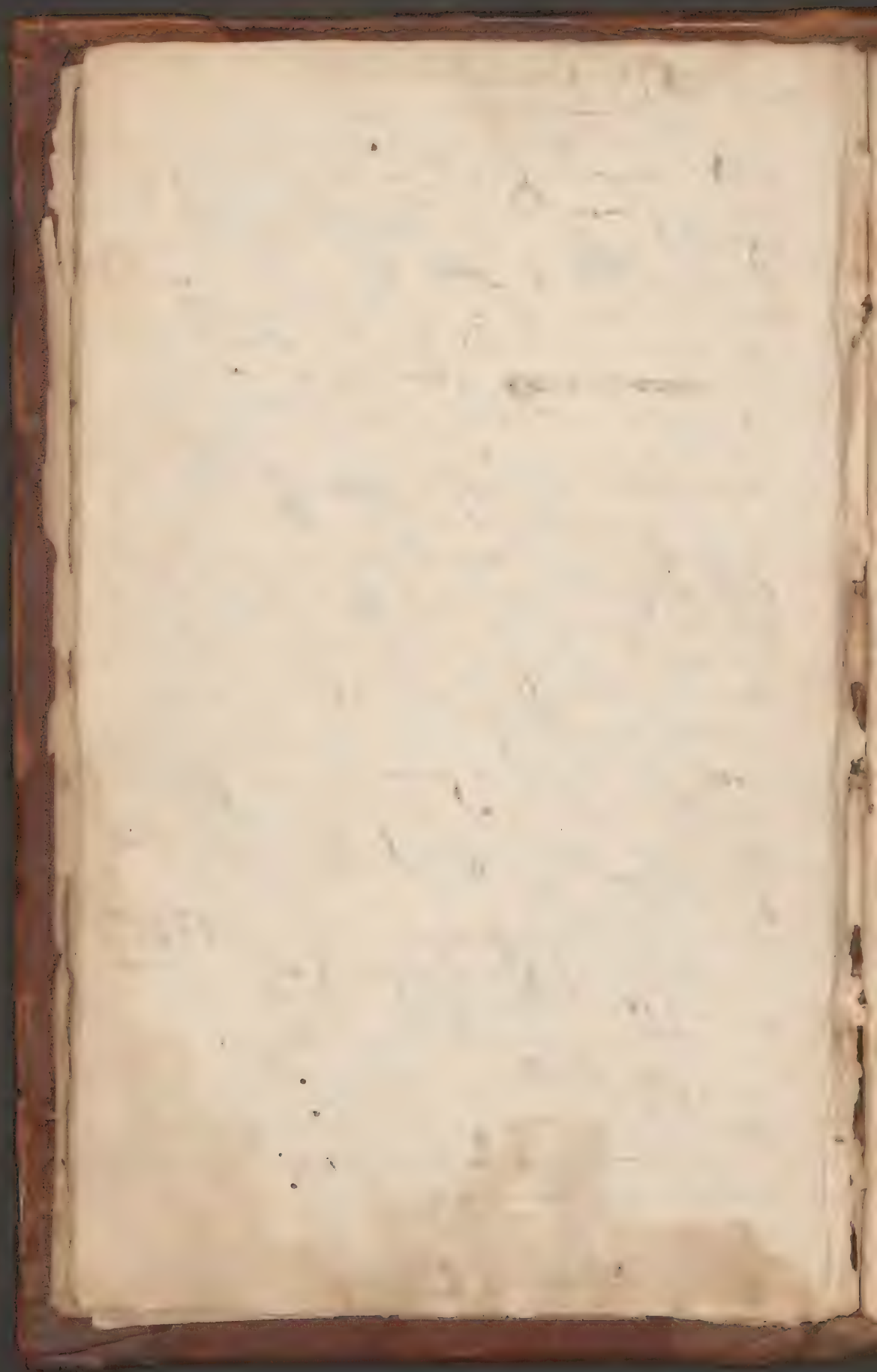




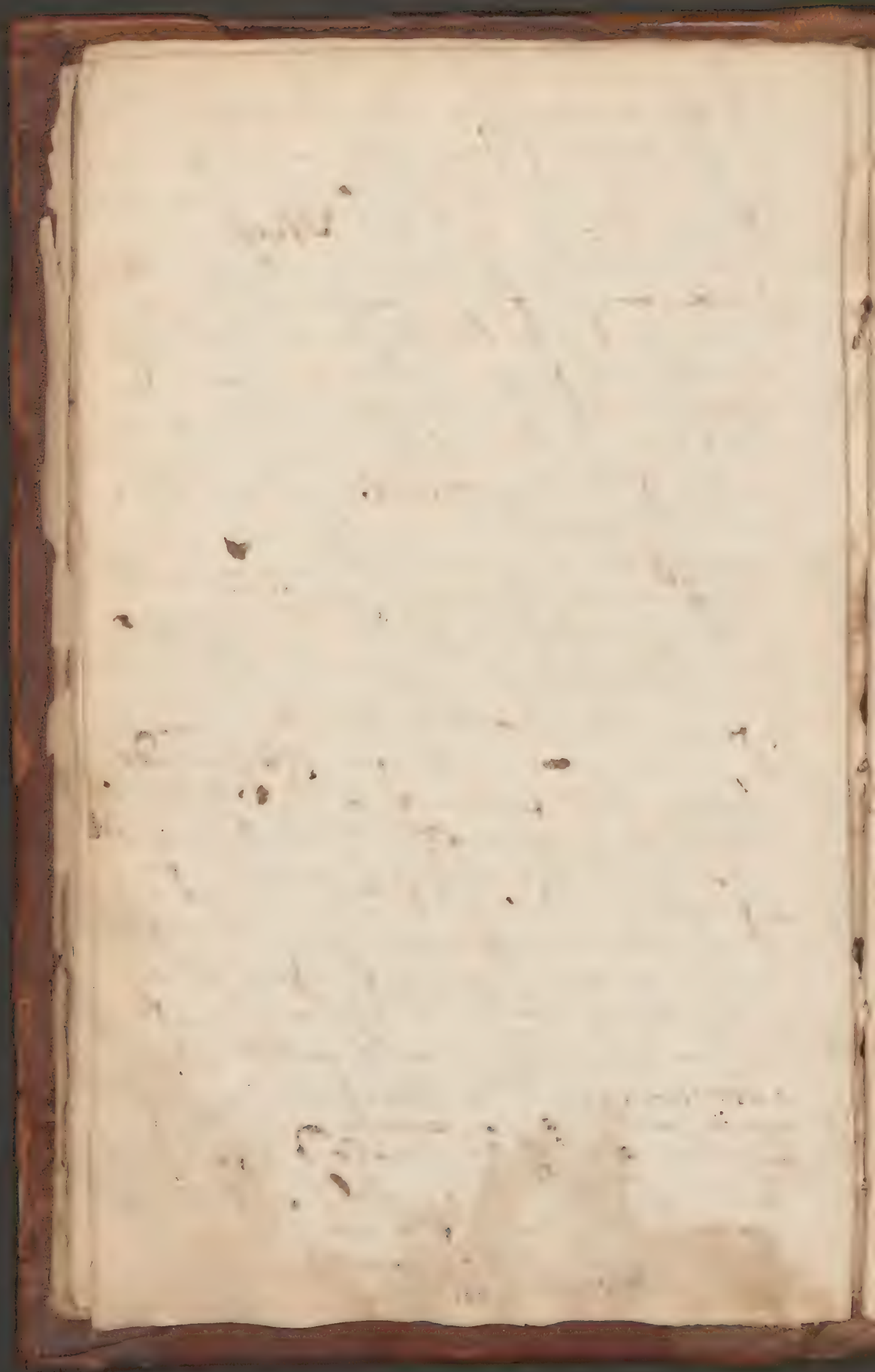


Let # of Comollients.

Comollients are much more
easily more flexible — than if
any could be dry if may be
softened in water but it is
so hard of ~~the~~ ^{the} ~~any~~ ^{any} ~~and~~ ^{and}
has taken up as much water as
it can it will become soft
by ~~the~~ ^{the} ~~adding~~ ^{adding} ~~more~~ ^{more}
water — All J. Cold have
seen as much water as they
can take up — their surface is
soft — and in the water, and
thence it is clear if any water
had applied to any of J. Cold's
body and it would have no effect
— softening — & small then will
have no effect in softening
parts except of skin — We might
imagine if a quantity of water
were applied to skin — but it is
for skin is perfectly impervious
the phlogiston had taken up fluid
but then they carry it
to the cold muscles — The cold fluid
will penetrate J. Cold's skin
as to effect the skin — but
will any sort of J. Cold's
small taste, or any other
quality, more in J. Cold's
warm water — however
warm, as we find water
has a contractile J. Cold's
will not be affected.



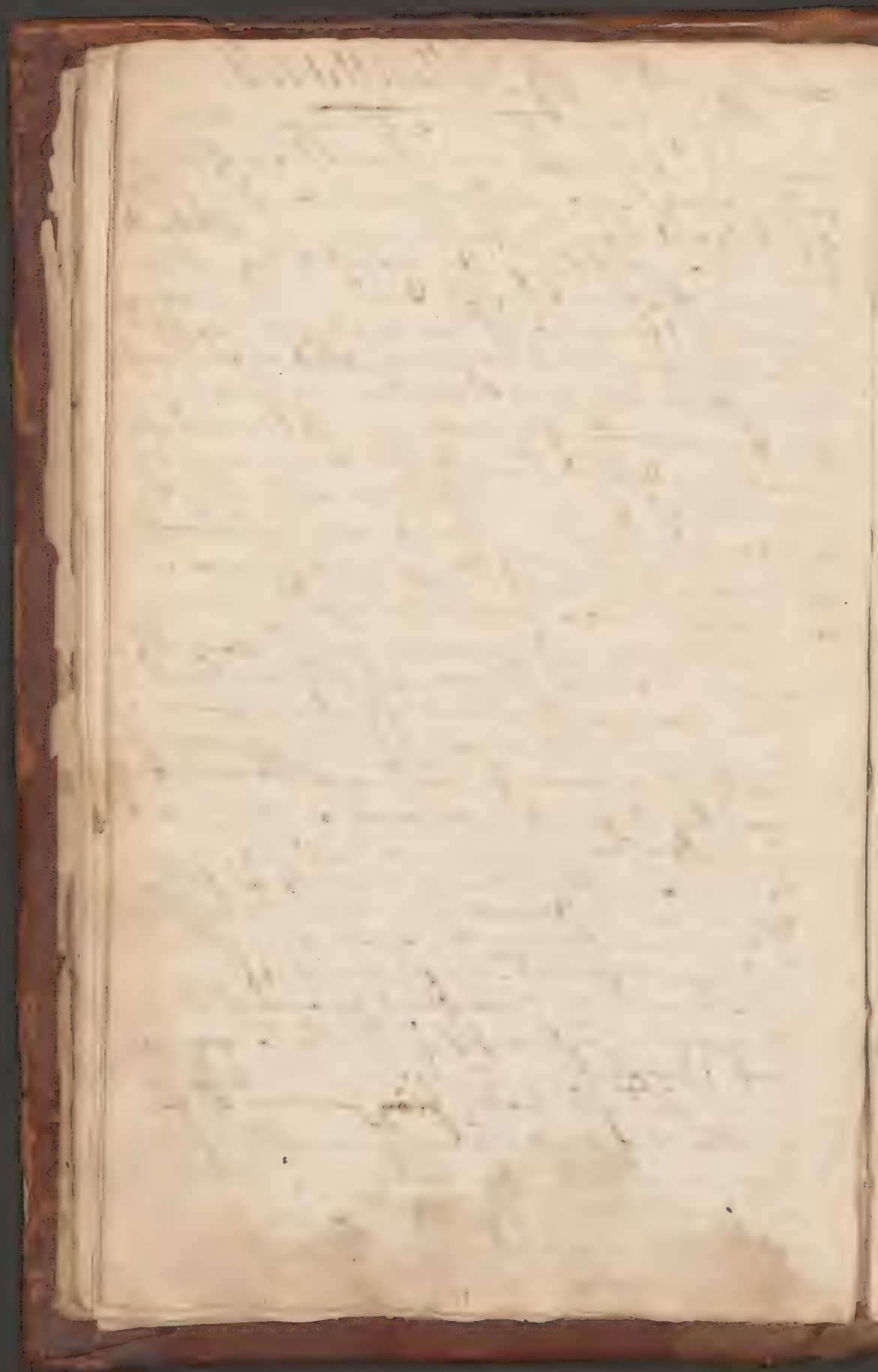
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night grasses and sedges and the
 others - I think they are
 some monocotyledonous plants
 and some dicotyledonous, more
 apt to get on the success of
 of their small size - There
 have been found 2 or 3
 they consist of roots, leaf &
 such as, *Liliostictis* & some
 of 6, 8 or 10 stems in a bunch
 only one odd leaf and the
 leaves are parallel to one
 another - We also employ *Melastoma*
 & *Thoa* - *argemone* & *caudex*
 There's another class of plants
 comes under the heading of
Sisymbrium - I have 10 stems in a
 bunch, only 3 or 4 - I found
 a *Chamaecrista* & one of *Phaseolus*
symplocaria, on the 1st of
 Feb. *Phanthera* one and *gambusia*
 another & a wild fig, chiefly a *Lafo*
 & a little oil

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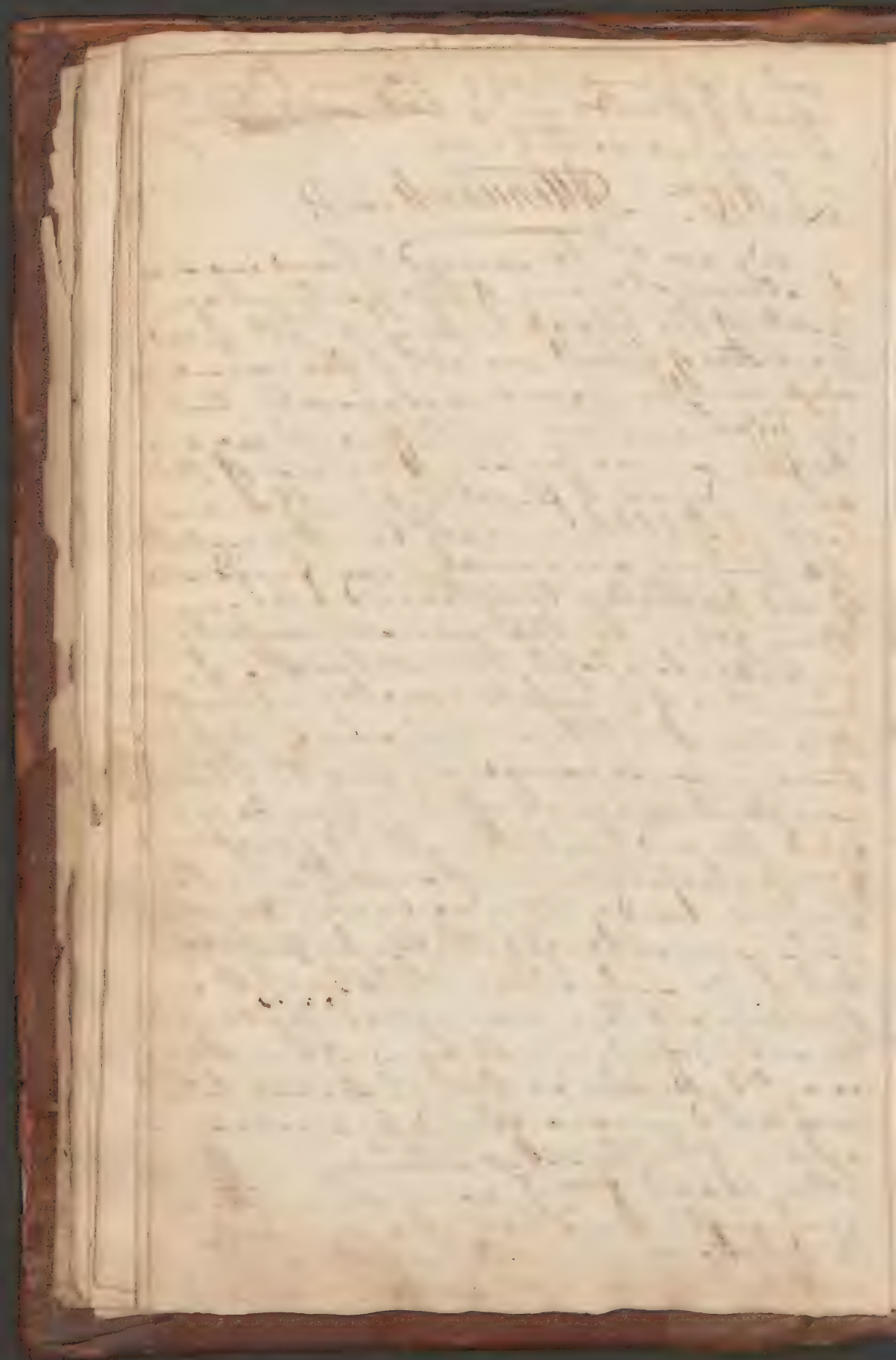
as we know, there is a difference
in the alter. of constituents. Part of bl.
the superfl. water may be excreted
by sweat, or purging, bleeding &c.
it appears singular enough for
a disease we should suppose the
very reverse of. Inflammation - You
give a purgative & then a 2^d one
find that it does not create so
powerfully as of former - of this
same am. is attributed to it
the same parts of bl. but used
but if in such as a case we
open a vein, we also find
of coagulum decreases -
It has been supposed of containing
subst. got into of bl., occasioned
obstruction - I conceive we are
now of such a state, the superfluous
there is no subst. yet with a macerated
but water. for if vegetative alkaline
was again it would be estimated it
of. very ill. I think it was before it was
reached of. circulation - Thus G. said
of such & such and, which will
break down of disease of the
may easily be carried off. & the
glorification sublimation does not
the 10,000,000th part of a grain
and think it is not such particles
can have an effect in of such
includes such particles as are
mechanically with the
force best applied - It is
the way of having a 2^d of
as we know it to be of such



but - yet we see as far as they are
affected. fluids in J. bl. vessels. They
are of no sort pure -

Sept. 16th Attenuants cont.

We are 1st to consid^r how we are
to attenuate any of the particular
parts of the blood - In J. 1st pl. of red
particles of J. bl. are all of the same
size in the same animal - but
in differ^t animals, of different size,
As far as we know, they are of the
same degree of flexibility - If we
look at J. bl. circulating in the vessels
of a living animal, we find all
J. red particles lengthen'd when
they get into the small vessels -
in order to adapt themselves to J.
diameters of J. vessels equally - Therefore
this is not left to any chance, but
there is some cause w^{ch} prod^s this
constant & equal effect - Now we
find the red particles alter'd except
from putrefaction - Sometimes in the
living body they are broken down
into smaller particles by putrefactⁿ.
but it is only when it has got in
the blood to a very great degree,
the only differ^t we know of is the
caus'd by the J. is that it seems to be
render'd more fluid by increased
action of the heart & arteries - The
same blood from J. arm when there's
con. infl. of red particles swim in J.
of bottom - The red particles, causing
nearly the same, the same will



be in proportion to the fluidity of the
 blood, & are certainly in this
 case larger in coagulating - The
 only difference we find in the
 serum, is that so thick it coagulates
 less firmly than at other times. It is
 also prod. by putrefaction -
 Some we find of a soft & not
 coag. at all, but this is not from
 a deficiency of coag. by any means,
 in it, but merely the same
 accidental check put to the crystallization
 for every thing becomes solid, must
 crystallize. This we find in water
 for it ~~freez~~ will not freeze altho' it
 be cold to a much greater degree
 than of cold w. ought to freeze it.
 In some manner the fluid
 vitriolic acid gen. will freeze at the
 cold w. ought to freeze it. The
 freezing point of vitriol. acid, is
 20 deg. of F. - Therm. - Not we can
 hardly ever freeze it till we have
 reduced it below 0, or somewhat till
 it is even colder lower - Over
 not finding coag. by such means the
 blood vessels by no means ^{drawn} ~~drawn~~ that
 it is not there, for if we take such
 blood, & heat it to 130 or 140 Deg. it
 coag. by coagulates & have it the
 same. Hence we can render
 of red particles smaller by inducing
 putrefaction of fluids to a very high
 degree - we can render of coag.
 or rather of ^{coagulation} ~~coagulation~~ ^{of blood} ~~of blood~~

(2) If it were any mucilag^{ous}
subst^{ance}, either animal or veget^{able}.
Exhaustive alkalies - concentrated
acids lime-water quicklime
& many other subst^{ances} will be capable
of combining wth it - But these
must be previous^{ly} into the stomach
or absorbed - and all these subst^{ances} are
cap^{able} of being saturated wth a quantity
of other similar subst^{ances}. If they
meet wth in f. stom^{ach} & intestines.
Being thus saturated long before
they re a^{re} the matter they're to
dissolve, they w^{ould} have no chance
of at all acting on it.

of blood more fluid, so the capillary
difficult of coagulating inducing general
inflammation - but in no other case of
we know of - As to any viscid
effluvia matters that may be in
the fluids, we do not know of them
by any experiments - They have been
supposed to be present - but as we do not
know from any experiment that they
are, we must consider them as not
existing - But if there were any
viscid or solid mass in the blood
vessels it was not soluble in water
or capable of being farther combined
with water, we should hardly have any
kind of chance of uniting it with the
menstruum (a) - It is more an
oily matter that had got in there
no menstruum would apply to
combine with it, but subst. of such
a kind as to form oily matter
into soap - and such menstrua
as will combine with oils & form
will unite also with animal
mucilages & be saturated long
before they get into the blood
It is a piece of a metal, if
it is in, or a mass of earth we should
have no chance of introducing
an acid or any other menstruum
in so concentrated a form as to
dissolve it because we cannot get
but one single grain of acid to every



round of the blood into the ~~liver~~ system — A drop of acid diluted with a pound of any watery fluid wd. for too diluted a menstruum to act on any metal or even earth —

A singular idea has been, that if sharp points, or edges of a corrosive substance cut or divide of viscid or solid particles — but this cannot be the case except there be a mechanism, however to apply them. If, for instance a particle of mercury surrounded with sharp edges were to roll about in the vessels, that particle wd. weigh in perhaps of 10,000,000th part of a grain its momentum wd. be so small as not to have any effect in dividing any viscid substance. Such opinion is not worth refuting —

We have b^y supposing if all these viscid or solid particles were floating about in of blood, not to get into their viscid or solid clothes when they came to of small ones — We do not however see any such solid or viscid particles present, for it does not appear either from experiment, or observation. In of 2^d place, if they were present, wd. get any entrance into the blood vessels, wd. have any chance or probability of dissolving them. Suppose they were present, that wd. get a menstruum into the blood.

[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]

rebels - of the kind we need. and the
how? and the object in view? the
of the body, the amount of
it is to be carried in the circulation
to displace them - If this we
consider of matter in such a
view, it is evident that attenuants
can hardly be employed to produce
any great effect in the circulation.
Altho' these attenuants have
been used, in various systems as remedies
if ~~any~~ ^{any} ~~remedy~~ ^{remedy} were to be principally
dependant on for the cure of Dis., we see
that as far as they are capable of
affecting of fluids in the blood vessels, they
are hardly of any use, at least of not
more than simply to evacuate
of system.

Doct. 1st 1st Attenuants cont.

And as to point. Happ. of fluids
are there? with various cavities
of the body - as the cellular membrane
of the lungs - glomeruli - cavities of glands &c.
But the case? of it is rather? it
is not - if it is not of blood, they can
be absorbed again, without being redigested.
In a bruise for instance, if blood is
effused, at the whole of the blood is
absorbed, and of the blood is
it is not. If it is not, it is
necessary that it should be digested
in the blood vessels. But out of the body
that is in the same condition.

(a) The student who has been given
enough of the purpose, name of
alkalies as vol. alk. vol. liquid.
fixed alkalis in soap etc. That they
do not act by freezing the skin
is certain, since ^{they} may be used
with much to encourage such
absorption.

it will penetrate — Hence it has been
at a depth of penetration. But all
had been said? It seemed that it
be taken up again — But there was
then speech of the Lakes & Co. in J. haden
it is said? It is a reprobated
than it will be less if said? It is
Cuthbert — for we see resolute, and
reprobated. Happen much sooner
than it possibly is for Cuthbert.

This result is forwarded by stating
the skin of the part & stimulating
have in course. On image, to
penetrate into the part & dissolve
it — The result is that when
there is a tumor, it is that of matter
it is solid, it is a red tumor
entirely, but an indolent tumor
is good in the part. The skin of
is gray & the case — Good apply skin
to the skin of the part, by that means
the subcutaneous may be redipoloid
reduced & a reprobated to the
tumor & skin — Stimulants for
this reason have been called
discontent — The power of it is
over the skin is being for the
wound being much affected
of it & the skin. We find
it sudden surprise — or fear which
suddenly produce acidity in the skin
of a woman giving such — and
a variety of stuff in it. This power
is evident. There is some power
in the solid & matter, the

at In a judgment on the instance,
a quantity of soap is thrown
out into the cell at the entrance of
soap? and if we carry off the
infla. we find the whole of it
matter in the cell? & we do not find
in less than 24 hours - This is
not the case of the body of the
body in it. In a judgment

it are lead, solid, dispolve much more
than many Minerals, and do
stimulate & increase the power in the
solids & make of them? I think
not so much sooner than
otherwise wd. be — This is not possible
if any menstruum can be applied
if can get at any other? I say
I think so as to redress it — for as it
can penetrate first if skin is
already broken, and, being made
when up must be absorbed by the
lymphatic or whatever then absorbed
liquors there may be, & carry'd
immediately into the circulation. In
same manner it will happen if
any sublt. is introduced into it.
I think that there will be no
obstruction if the given of it wd. not
be saturated with similar matter
long before it is introduced into
capacity so as to get as a menstruum
on any sublt. if might be count'd
in of cavity — And I have
been oblig'd to send many parts to
resolutions of the ILL. have been called
dissections — but then do not act
on the simple matter of the body.
The great mind of Copernicus
was to consider as one whole
consists partly of a regular matter
& partly of a chaotic — & forms
in of many papers, & some of
various other parts — All of ILL.

a quickling will have the same
effect. — There is more of anomalous
both of the Belgad & Dutch the red, also,
in the red, which is the of. painting.
and, in the Dutch, this is the most
this is the only one of the kind, and the
al most dipole in some cases, and
a matter as a animal but this is the
of the red &c.

if the body can be in power
of dissolving matter, so if it can
apply to the dead matter it will be
degrees inward it. In of many papers
it happens more frequently if can be
in? are joining them in a way the
more concrete are soluble in water
for if we take a piece of a bone from
in the bladder & put it in warm
water, removing that water frequently
it will gradually be dissolved & if
therefore we can destroy the concrete
matter of the flos of water and dissolve
these concretions. — If I need of alkali
or fixed potash alkali will destroy
the concrete matter of flos. It has
been given any person of quantity of
fixed alkali or potash alkali. 2 lb. per
cant. the value should 33 grains in
24 hours for 6 months or 2 months
we shall find the urine will no
longer concret any substance if
applied to it. If the flos concret matter
of flos is destroyed of alkali will be
to act on of stone itself in the
same manner that the water
would do — If first begins to soften
& dissolve it as of sugar and
under of of alkali can be a paper
length of time of concret matter
of stone will be totally destroyed
in what manner the alkali destroy

na It is true that I do not at all
increase the power of the mind
It was thought of ~~and~~ the annual
and yearly income of the
state & prod. ~~of the~~ but it is
state by ~~of~~ that people have
it for many years with
a ~~consequent~~ mischief —

61 It is true that much can be
applied to commerce with it for the
well known ~~of~~ of solid ~~of~~ body
there is no chance that it will
be converted to ~~the~~ of the
in some ~~to~~ to ~~the~~ and their
vacation

It was doubtless formed - but whether
many it is, we find it is no longer
in the bladder after J. Allen's
treatment for some length of time.
It is the same white, inc. in a
slightly mild or gastric - or a little
or combined with oil or mucin
so as to form a soap. This latter
gives to a small quantity of
alkali which may be given
length of time with impunity.
I am in J. Quan's of 15 grains
or twice in 24 hours at - 7.
absolutely necessary of J. med. 2.
by causing a very long time
to be used, by concrete matter
be removed.

The next kind of concretions which
bilious ones - such as are found
in the gall-bladder, & the
but chiefly in J. Gallen - & are
viscous substance. Bile concretions
are mixed with some other matter
Prescription: pray see the soft &
concrete, call'd gall-stones - the
matter being the same as the
viscous substance. - It is clear that no
mucous matter can be apply'd so as to
dissolve a bilious concrete - for it is
not soluble in any matter of the
there is no oily matter of concrete
it so as to be apply'd to the
dissolve

of a very subtle appl^d red - not to a part
as to destroy it, has been call'd
actual cautery & caustics &c. &c.
road? This effect, of Potential
cautery, or caustic

Sept. 18th 1842. Caustics & Inspiss. or Staph.

Caustics — These are subst. which are applied to dissolve solid parts of the body — when we want to separate any part of the body from it, or to get rid of it, one method is by applying it as a solvent, which will combine with it so as to form a soft, or soluble in water. These will in part, any way, arising from round it, & spread a coating of it. part of it, fibres etc. is just at the termination of the living part of it, being of it, dead core into a fluid, so as to form a soft & thick. Insipiss. of dead & living part — one method of doing this, is to decompose it by heat. These apply a body heated to a certain deg. the distill. entirely of texture of solid part & will it — when it is done for the part happens, it is thrown off, & the rest it was suppl. of. Subst. when a part had some of it in it, of its nature of fire — and for this subst. of it had the effect of heat, & called caustics. These are in the living part & suppl. a subst. that is not of the body any part of it, did not cut out of it. The potential caustic may be made by using — it may be made by using

as true as? I just might suppose it
caustic as. I should slowly give
of heat pain - but we have in the
dispensatory a milder caustic & it
is call'd. but it is fit to give more
pain than a stronger one - and
inflamm'd part is also more
sensible than one that is not. &
I think if we simply caustic it. I p.
slowly, it gives time for J. heat to
be in it & by force it is dissolved, and
undone. The pain is more
severe

or combine with it as caustic
alkali - 2nd It may cause a part
like of silver - 3rd It may act
as a sedative so as to kill the part
simply without decomposing it.
But we only get play such as will
combine with it directly or indirectly -
It is rarely that we can get
actual caustic - When we do, we
use a piece of iron or silver that
is not - but gold would be much better
than either, as it combines with
more readily & of course becomes
faster - Caustics differ from one
another in that, the more of them
destroy more rapidly than others
The former is the best, as they
give off less pain. There are
some caustics which have a good
effect on the ~~top~~ surface & others which
destroy simply, without producing a
suppurative process. The good or bad suppurative
we should get simply the first, if it
acted as quickly as those which
destroy a part - Those which destroy
are caustic alkali & quicklime - If
these of lime is rejected as diplo
too slowly, & small alkali for its
in cap. for its volatility of heat preservation
on the part - There are others, a
critical & without acid which
quickly but heat cannot be used

2. A piece of leather shod with common
glaster with a hole in its middle
of size of I canter pen with to act,
the pen put on the part then I canter
over the dressing is to be pressed down
to the skin & cover with a few
slips of glaster

(a) Lunar caustic is made by
comb. nit. acid with silver
washed by dryness & then
in it takes the salt

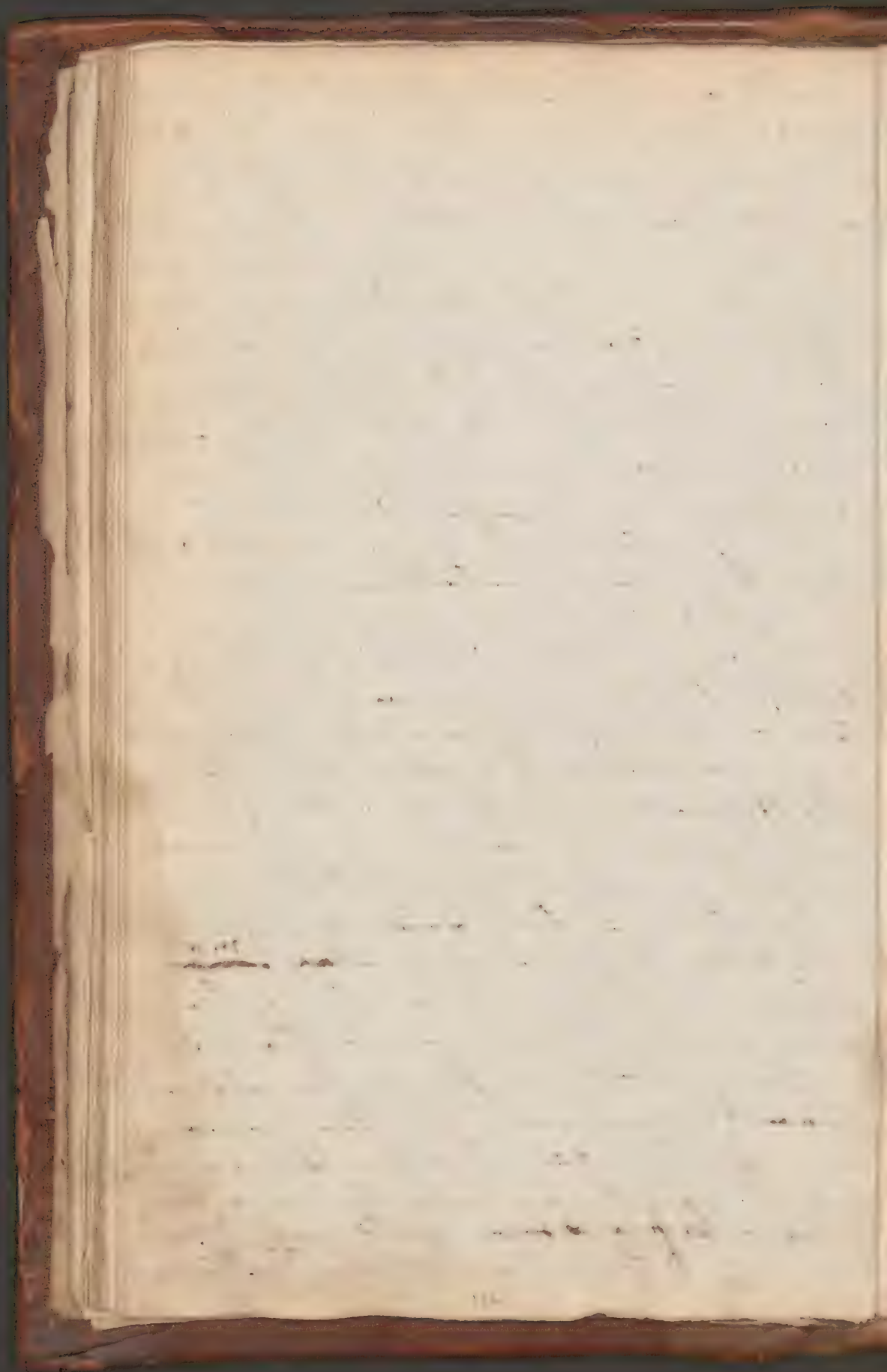
b) To make rich red mercury, dissolve
mercury in nitric acid wash
of water to dryness then expose
the salt in a glass vessel to about a
red heat for half an hour. At the
end of this time it falls into fine
red crystals, wash of nitric acid
and driven off — This is called red precipitate or mer.
corros. rub.

and Dr. J. Thomson says it is a
good an. appl. of the skin fully,
or any other

well on J. part - then? They
be consid^d preferable - We therefore
at present use J. J. D. alkali in
a perfect caustic state - It is not
convenient to employ them in
powder - but better to mix them
with soap so as to just make them
adhere to the part - & spile alk. is
somewhat prefer^d. As soap alk. is
whol^y more quickly - dip^d alk. is
employ^d in England

The caustics w^h have a good effect
to suppress are metallic salts, &
by which of silver is of use
when any consid^d part is to be
dipol^d - (a) - when we want to
destroy but just the surface of an ulcer
we use like of mercury (b)
(c) Iridine was formerly used
in the same cases in w^h we now
make use of precipitate

Caustics destroy & ~~the~~ dead, more
readily than living - ~~the~~ ^{the} ~~long~~
of same quantity of caustic & ~~the~~
a larger part in the meat than it
a strong body - Hence there's an
advantage sometimes in the caustic
over the knife - and besides as we
want some caustics have a dispo-
sition to ~~be~~ ^{be} ~~fixed~~ ^{fixed} ~~down~~ ^{down} ~~good~~ ^{good} ~~supp^d~~ ^{supp^d} ~~better~~
if there has been any return



matter forming a tumor. It is
want to extirpate, a caustic de-
stroying from dead part in preference
to the living so as to clear off. Part of
of blood? matter. Hence caustic
have to be removed. Preferred in some
of the cases to the knife. It is
also extremely painful the discharge
large mass by caustics. There are
of means of gently mixed of lymph
or blood of solid matter. The
sponge clasp of substances, as a

Insipidants of blood - The same
arguments as we held with regard
to attenuants will mostly also apply
to insipidants - We may cure the
defects of of red part of of blood by
giving food of good nutritive matter
as by strengthening the system. But we
cannot render of red matter. - we
cannot or secure more mixture
as far as we know. Some were
to render any of of blood in of blood
solid, we shd. easily do it. - mixture
we do not wish it. - of blood matter
shd. be concreted, so that indeed
insipidants have to be rarely caused
as a clasp of mixed of matter of great
value - The only case I hope
we can get any thing of this kind
is, coagulants in various parts -

(a) M. Cadger, Pupil to Mr. Hine,
informed me of a case in which
the contractile power of the
artery when divided, in a
wonderful degree — in a
compound fracture of the
scapula the trunk of the
brachial artery was divided &
retained by any ligamentous
swelling to the ruptured ends of the
artery strongly contracted for
there was no coagulum. I think
they were easily felt thro' the wound
made in the soft part —

When a vessel is broken or cut in
coast of bld. at the divided ends we stop
with a stop of haemorrhage
Formerly this vessel was made
to be the pl. by supply of actual con-
duct in modern times of practice
stopping a vessel by ligature instead
into surgery a much more
secure than by coapt. Other vessels
~~than~~ heat, have come by the
styptics - When we can not con-
at a part to be it up, styptics are
made use of by the advantage
when of smaller arteries are wound
they will give either contraction
of coapt. ~~the~~ bld. will coapt. in
of divided ends & stop of bleeding
for merely from of extrav. bld. being
no longer acted upon by of arteries
it will coapt. of same as when
it flows into a vessel. Small
arteries may therefore give less
themselves - but large ones not
with safety without a ligature. In
cases thereof it seldom need
to use styptics - There's a
ground on which has been said
styptics might be employed in place
of a ligature, which is of great
importance. Part of the reason is
the nature of the ligature - for
it is confined of the artery, & does
not show a total union for the



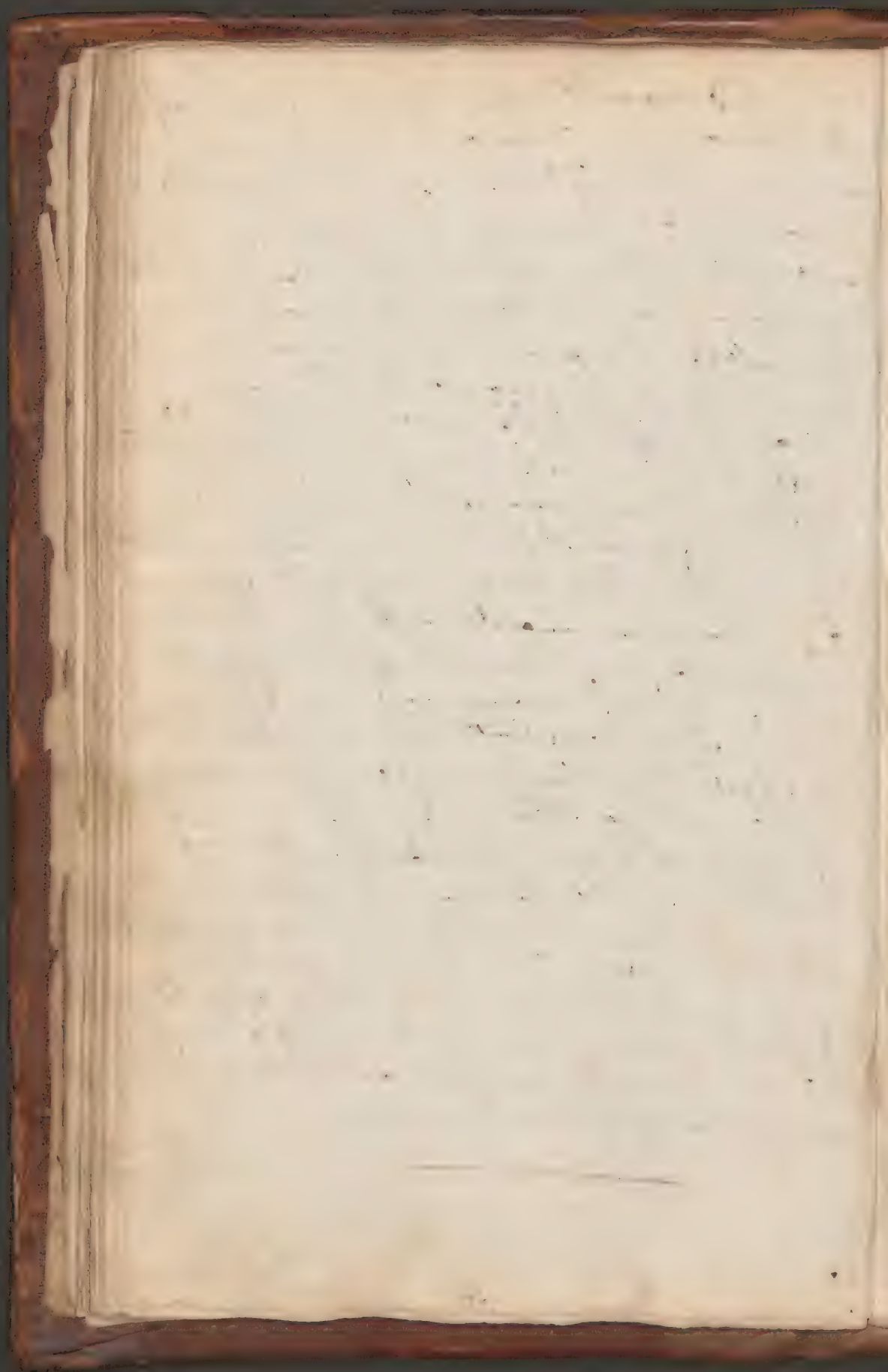
In this case, undoubtedly if a
styptic is applied it will be better
but it is not the case. When a
haemorrhage has been arrested
spontaneously, & symptomatic
as the symptoms of it have been called
in this case, ~~phases~~ ^{phases} ~~arise~~ ^{arise} to a
great extent as when a ligature
has been applied - Styptics are ~~used~~
in their effects, & can
hardly be trusted to for all the ~~phases~~
of a single ~~success~~ ^{success} ~~of a~~ ^{of a} ~~single~~
course of ~~recipients~~ ^{recipients} in ~~the~~ ^{the} ~~recipients~~
they may ~~be~~ ^{be} ~~equal~~ ^{equal} ~~in the~~
recipients ~~of the~~ ^{of the} ~~recipients~~ ^{recipients} ~~of the~~
of a large ~~styptic~~ ^{styptic} ~~recipients~~
but still such ~~appear~~ ^{appear} ~~as~~
are ~~conclusive~~ ^{conclusive} ~~with~~ ^{with} ~~regard~~ ^{regard} ~~to the~~
human body, for ~~applied~~ ^{applied} ~~made~~
to the animal are ~~just~~ ^{just} ~~and~~ ^{and} ~~applied~~
to of human body, as we see ~~the~~
observed, especially in ~~the~~
is the ~~inter~~ ^{inter} ~~in~~ ⁱⁿ ~~the~~ ^{the} ~~human~~
the ~~recipients~~ ^{recipients} ~~to be~~ ^{to be} ~~in~~ ⁱⁿ ~~the~~ ^{the} ~~human~~
is ~~produced~~ ^{produced} ~~much~~ ^{much} ~~sooner~~ ^{sooner} ~~than~~ ^{than} ~~the~~
including ~~than~~ ^{than} ~~those~~ ^{those} ~~of~~ ^{of} ~~human~~
species - we cannot ~~be~~ ^{be} ~~applied~~ ^{applied} ~~to~~
transfer of ~~the~~ ^{the} ~~of~~ ^{of} ~~the~~ ^{the} ~~human~~
the animal to of human
body.

I have heard a medical gentleman
say, that he has found a solution
of alum (about $\frac{1}{3}$ lb to 4ij of water)
very successful in uterine
hemorrhages after delivery: - a
very contrary effect to Dr. St. Simeon
of it. Now - a few ^{such} cases are not
suff. to establish the real effect, for the
stoppage of the ham. might not arise
as it often, or perhaps give the case -
Mr. Hunter speaks much in
favour of oil of turpentine in
hemorrhages -

We may give a horse 34 of
from Metallum - but we
can scarcely give a man as
many makes the safety - so
of not being applied. When we
can not get a vessel with a ligature
stypticum as the ligature of such
is immediately contract of. Just as
better than such as caustic and
primarily & Alumen is off. better than
caustic makes the caustic - course
is much so not to adhere to it. side
of vessel - such as have but a stiff
caustic power are the best. For
advice & some other things. Plants
whose fibres are fine - These act in
of some manner, rendering the
caustic finer for fine fibres -
subject with it as hair does in it
applied to a wall. These things have
a small cup of powder in each of them
have the fine caustic with some
efficacy - the resin of sub. in oil
of turpentine & dragon's blood, &
Japan earth have off. also can
advantageously be used as styptics -
Even if caustic power of there is some
too great, off. They are still better
mixed with Armenian bole or any
other sub. of same kind -
Acids diluted to about 1/1000
of vinegar have to be used.

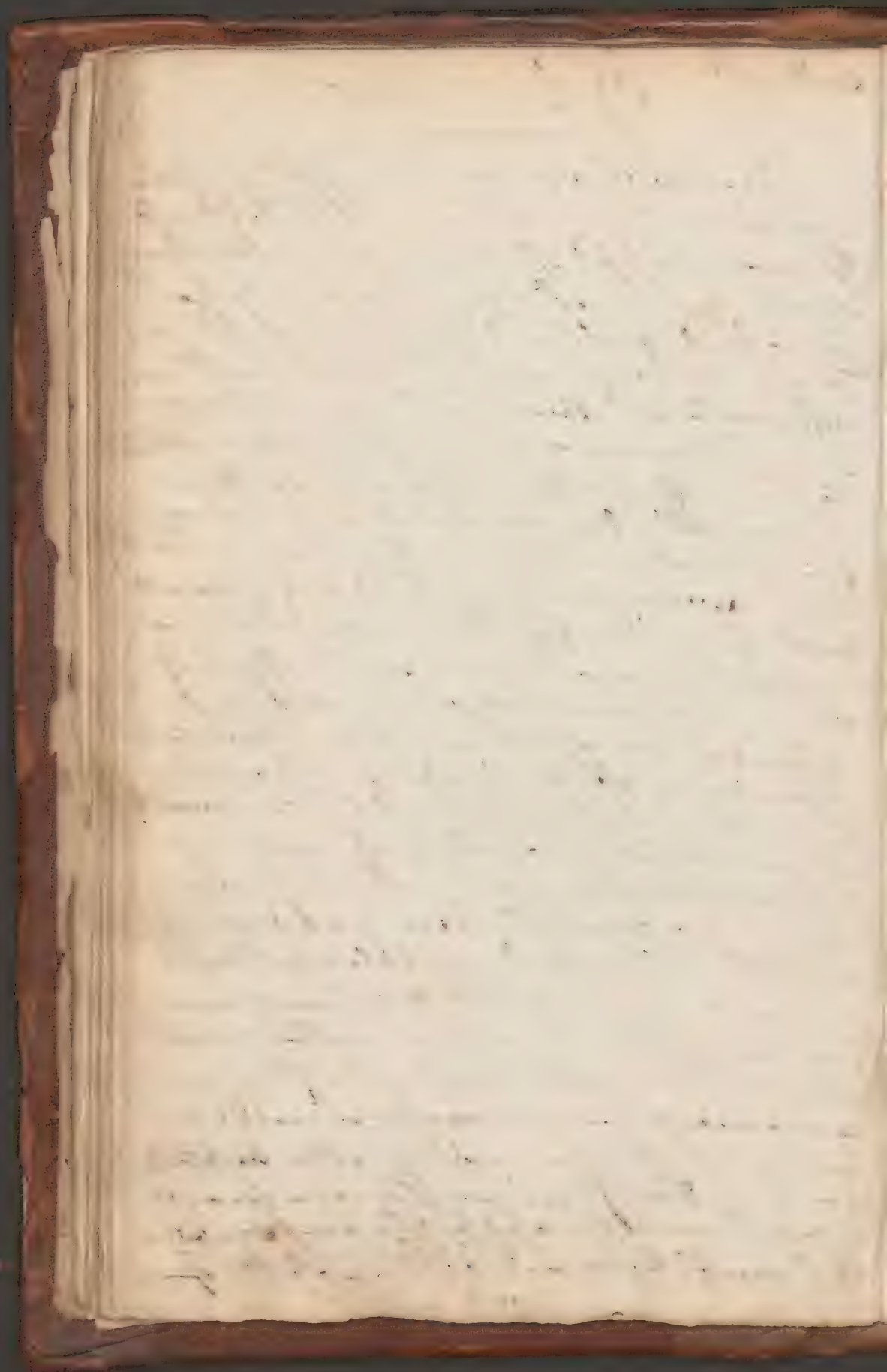


with Opium & as well as alcohol
Alcohol being cap^d for given by
many. Many. but must be diluted
a consid^r quantity of water — by
wounds of the face there would
be a much avoided a
possible because if we were of
surface of the wound with a
cap^d it will form a cap^d
which will have much better
supp^r & granulation — Some
in the face of the face as in a wound
of the face it is a quantity of blood and
few many small vessels — in the
case some have applied stuff
all over it — wound — If you
sh^d not be consid^r it is much better
to check this by a small internal
acid with gentle astringent — as in the
face of the face is acid — as in the
acid of the face (Rosary) — alum —
such internal use as we use
to the face — There are
more effic^y than stuffs applied
to the face some time to the
and to the face such irritant on the
surface of the face —

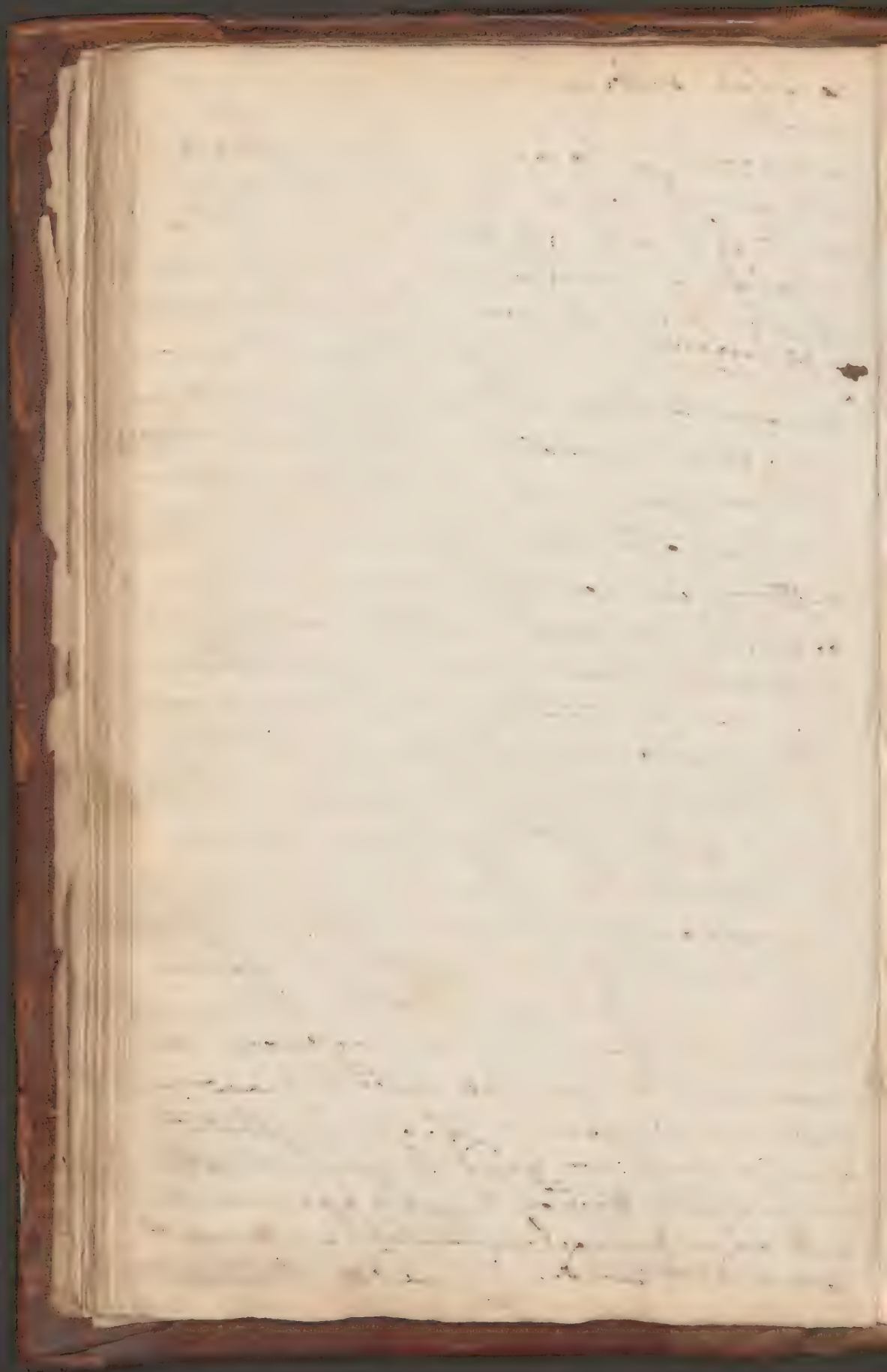


Subt. of Demulcents.

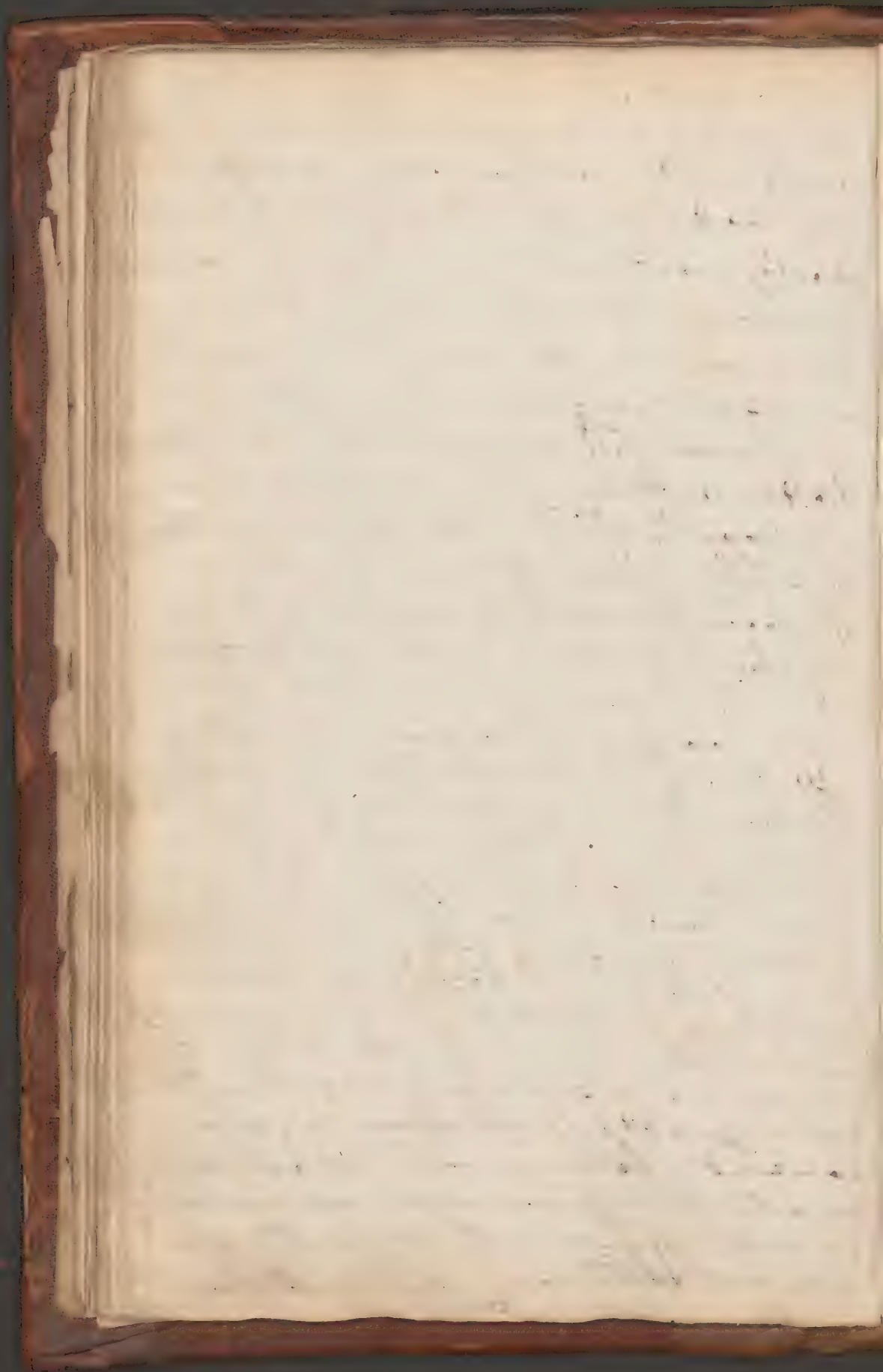
Demulcents are such subt. as destroy
irritation of matter in the cell. soft
thins supp. of skin & matter that
sharp points, & running into part
prick'd & stim'd them. If there
were certain subt. whose parts were
soft, into w. these parts might run
& by this removal of stimulus would
be taken off. This has been a doctrine
I can only be conceived as taken up
for a moment even by those who
have every imperfect idea of matter
part of matter for their inflexible matter
could prevent any such effect if
they were pointed, & were so sharp
Indeed if smallest imperious particles
of body, might be of sharpest point
impossible. but its weight would be so small
as not to be capable of running
into or stimulating a part. But if we
combine a subt. thin & decomposable
a subt. its proper. will be destroyed
& it will be prevented from having any
further effect. Thus if we unite water
matter with caustic mercury, altho. they will
combine & form a soap, w. will not
longer act as venereal matter by itself
does. — Therefore when there is a quantity
of ven. matter apply'd to any surface
if of suff. be made with a substance of



caustic alk. for 1 sup. alk. of 1000
smaller will unite with g. alk. &
prevent it taking place of the dig.
We must take care to render g.
sol. of g. alk. so dilute as not to
ripole an inflame of surface
itself - We know of no other sub-
~~cept mercury~~
which can get in by g. b. l. resp? so as
to combine with or decompose
noxious matter - We know in fact
if we have no instance of any
nox. matter disappearing in the
system in course of gaily remedy
except it be new matter arising to
mercury being used - Whether
mercury acts so as to combine
with g. vitas or to decompose it -
or whether it prod. some action
in g. b. l. resp? by it some new
ferment. is induced in g. remp.
or so decomps. it - or whether the
ferments of ferment. ed. form
this matter - or whether there is
some action w. has no ways been
conceived, we do not know -
All we know is, if or if exhibit
of mercury, we find g. remp. matter
in g. system destroyed - So far as we can
act as a demulcent but we must
consider it under g. head of stimulant



The same effect have some of the
causes of inflammation are usually
daily used. Where any surface
of the body is skin? of application of
daily used. will in many cases
prevent the stimulus of action.
It is easy to see how this happens
in cases where any watery fluid
is flowing out of any cavity in the
body - as the eyes - nostrils - mouth
&c. so as to stimulate of skin near
of cavity - & exposed oils rubbed on
of skin prevent of watery fluid from
touching of skin, & prevent of
it. In of same manner as when
there comes out a quantity of watery
fluid from of skin & so on. Then so as
to stimulate & inflamed - as happens
from of burning of ears - tubes of the
throat, & other parts, especially where 2 parts of
of skin touch one another - Or when
a quantity of watery fluid flows out of
of surface of an ulcer, exposed oils
applied in air to prevent in some cases
the skin being stimulated with such
in such a degree as to prevent infla-
tion of part & so on. We may
consider both natural & daily used
as acting in of same manner
in infl. of of used. need be of
of natural & artificial - of of



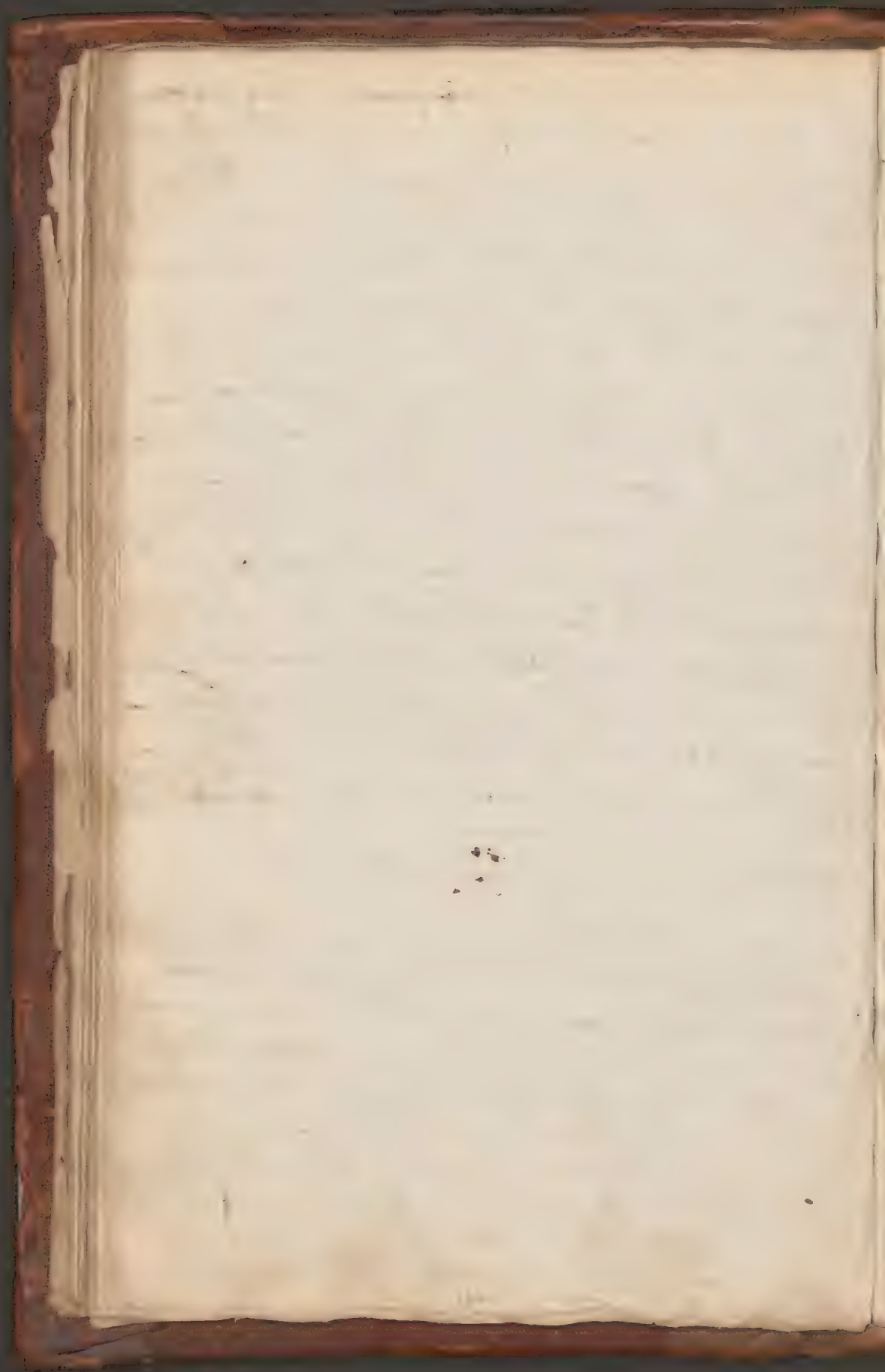
in gonorrhea - if the rectum is
syphilitic, then injected with it. In
such cases we may consider
injecting oil to the abscesses defining
the face - large in effect. If the
tonsils or intestines are in danger of
necrosis - in chol. morbus - diarrhoea
& dysentery, we may consider them
as acting in the same manner.
Now ~~we~~ ^{we} consider the injected oil,
Emucila p. sub. depending of surface
of lungs, deep hidings - matters on
the side is very difficult - They can't
get down the trachea into of lungs,
& there's no possibility of their getting
to the hidings, but that of blood
vessels - This is immensely difficult to
obviate if an effused oil is
in such cases, oil is injected into
of blood vessels, & so be applied to
surface of lungs to defend them in
certain, in persons whose daily
as food a course? quantity of oil
oil without having any such effect -
in those whose bodies contain
a large quantity of open oil already
perhaps occurring in ground - The
type of of peristaltic action of oil halts
the oil into the stomach, & the head
of oil of lungs, and we see the
that conception of oil, & success
obstacles be defeated in the effect

1a) A solution of mercuric salt is mixed
with oil with much greater diff.
than water.

in the lungs & urinary passages
but we have seen considerable
effect in both cases — The
stinging matter in these cases, is
the neutral salt of P. L. blood —
Now it is well known as a
mechanical part, of a sharp oil,
have no effect on neutral
salt — for they neither combine
with it, nor decompose them —
By what means they are effective
in these cases we can't say — but
we are not to reject all remedies
because we do not precisely
know of manner of their action
for if so, we should be left without
many of our most valuable ones.

Sept. 20th. (Demulcents contd)

The 1st Sep consists of a natural
class of plants called by Linnaeus
Monodelphia, all of which have mucil-
ginous — others like the sheep's bladder
or the almond — The milk of
milk in J. whaling is very good
as an adjuvant to the P. L. blood
chiefly for the sake of an effect on
the urinary passages —
The 2nd Sep consists of a class of



from the north, clasp of plants - but not
agree in this, if they can be at the same
times matter. a graining of sparsely oil
is wild in infusion in water
in direction, a mucilag. or gelat.
matter - These, *seminum canalic.*
condonocum for a rice - time - pills
Plantaginifolia - All these yield
in inf. in water, better than in
decoct, a very pure mucil. matter
They have the same principle & in
effect of the mucous membrane of
the lungs.

Polypody leaf consists of a natural
leaf of plants, which I have seen
very pure mucil. juice as a popular
remedy sc. - but which I have by little
used lately - Indeed I get of these
mucilag. repts. we have is so great
if they prove to be genuine & of some
one set as correct, and then I must
use it.

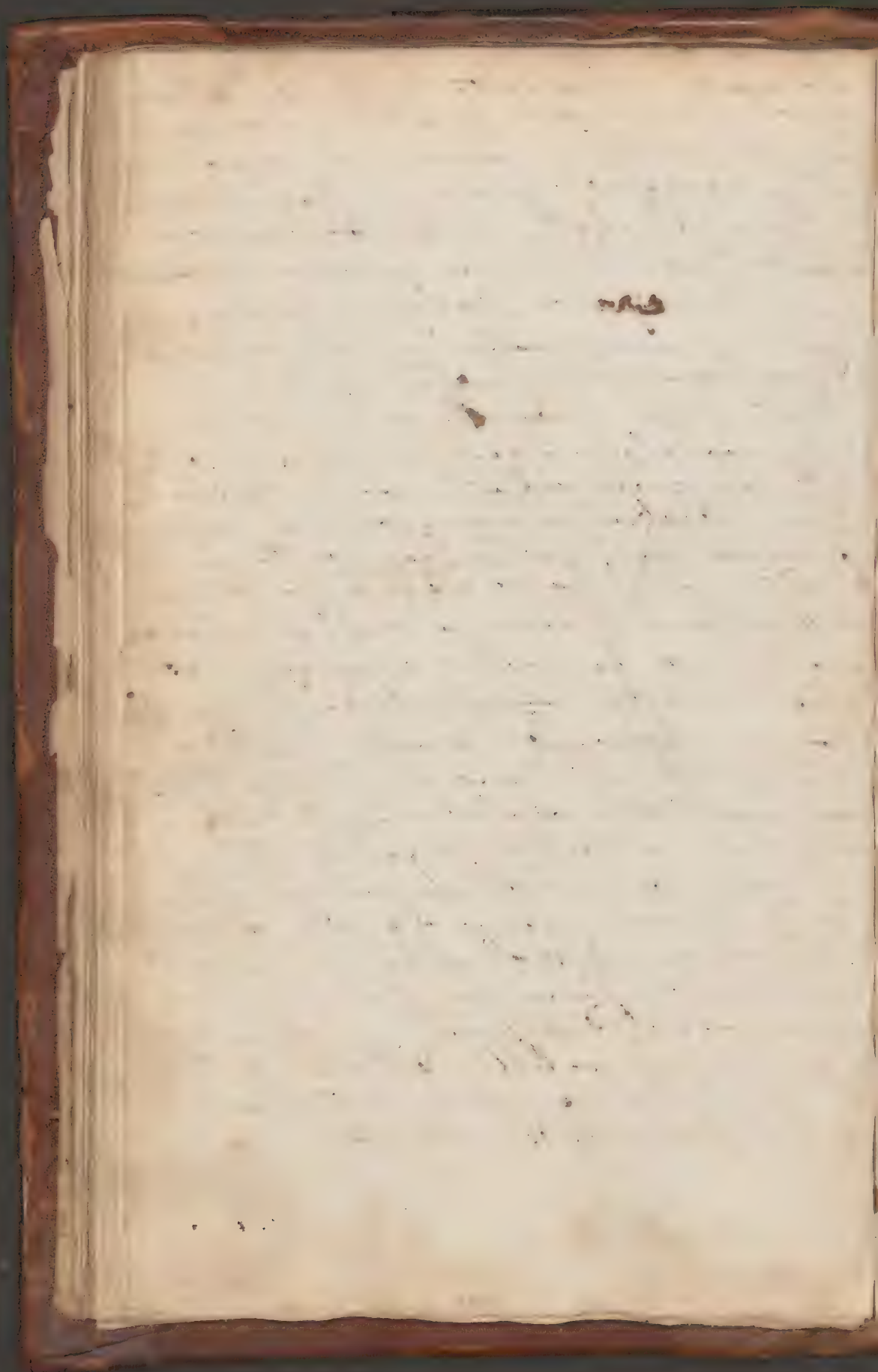
The most class of asperifolia of
Rage - *consolidamaj.*, *consolidap.*
Germanica & *scot.* others of that kind
have been in use - They contain
a very pure mucilag. juice & may
be very well employed but are at
present little used in practice ~~in~~
in this country -

Pharimacaea seeds are of some
mucilag. - as *semen cucurbitae* -
trulli cucurbitae - *succaria* - These
are formerly called *semenia gutta*
semenia - They are used in

6. There have been very recently
a number of *Stigmaria* & *Protia*
fossils from the same strata, and
the *Stigmaria* also *Stigmaria* —

[illegible]

[illegible]





Corallin. Lubrum is a very fine
calcareous earth - will a
rather shells set. Double fish bones
Bristle are shells, calcareous spar
also used for acid. - for stomach -
magnesia precipitate & a soft
fish bone is a compound
magnesia & vitriolic acid -
and must be have it mild, even
precipitate with mild precip. alkali -
caustic - the caustic neg. alk.
it is a compound. whether we use
it mild, or caustic (comb. or
uncomb. with the air) since
it has no disposition to stimulate
as quicklime has - Lime water
has been used to deglate acid in the
magnesia mine - but in practice -
In general for a calcareous
earth, & magnesia are the best.
as they are entirely rid of the acidity
for if it requires acid, it is apt to
be given in the form of the deposit
of magnesia taken - A small
quant. of mild alkali may be
also given - but not much
as it will decompose the magnesia
alkali - might also be used to
acid in of pyrometallurgy - but it
is too powerful a agent.
The acid in the stone is the
tartar - and must be better
give mild alkali & cold
the magnesia should be given

121 The Laplanders live totally on
animal food & yet have no
necessity of the flesh for their food -

Aug. 2, a little alkali every 2 ft
hours, to entirely saturate the
acid in the gastric vis

Sept. 22. 37 Antiseptics

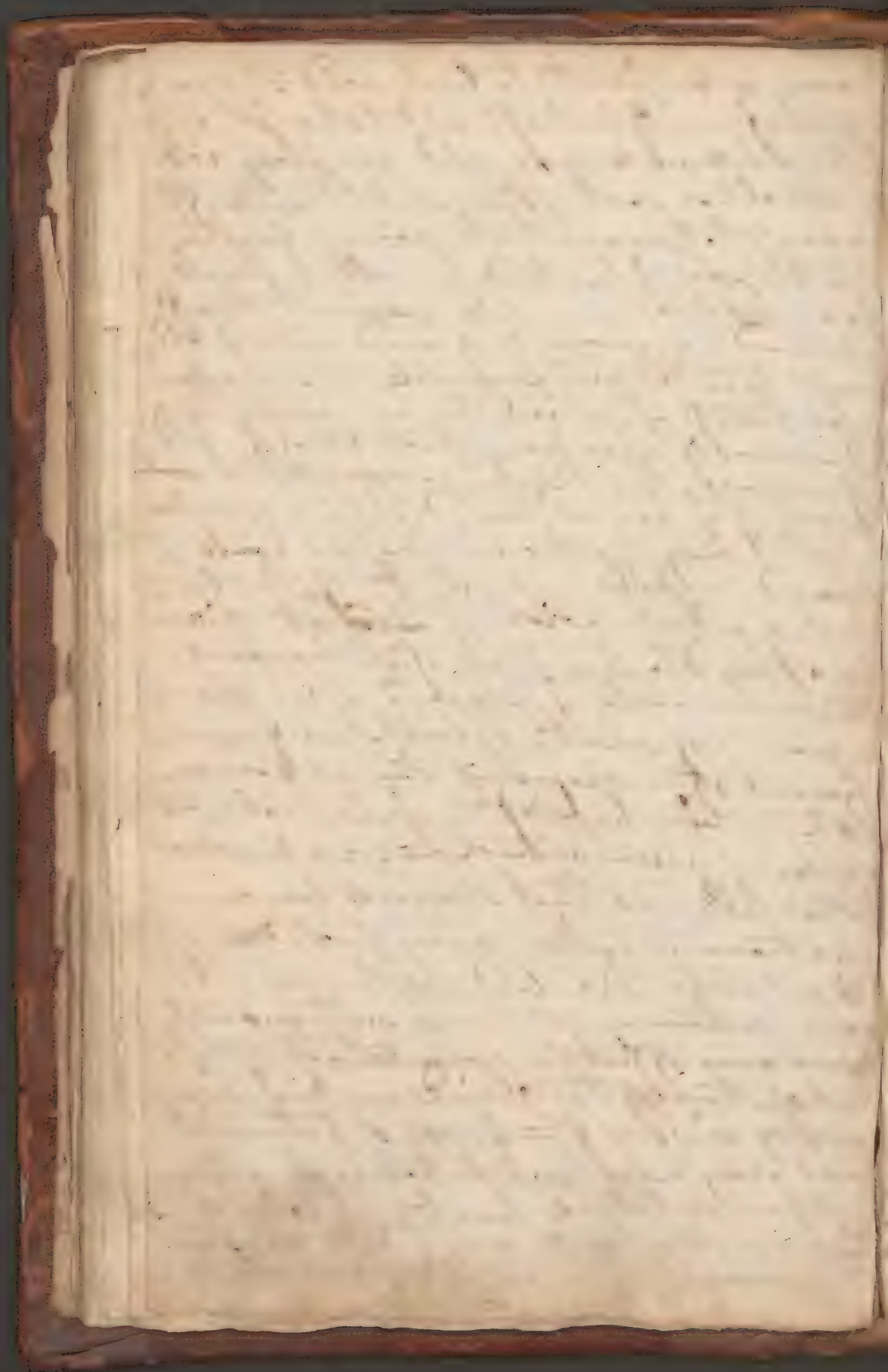
Antiseptics or antiputrescences are
meds. which tend to prevent the action of
putrefaction. If of food or ~~solid~~ ^{solid} ~~substance~~
~~putrefaction~~ - All animal substances are
subject to putrefaction. We will call
putrefaction, by which they are converted
into a putrid matter & effluvia.
but without & without acids - no
alkali - ulcer. & angillaceous caustic.
as - inflam. air, & fetid vapor
we have already observed of it.
Human body is also in these
circumstances. Putrefaction takes
place most readily - but of it. like
menstruation putrefaction. For taking ill
copy. It is just as in menstruation. The
activity of living matter not to
putrefy, as dead matter the putrefy.
As long as an animal is in
perfect health putrefaction does not
take place. but only in dis. and
this in 3 cases - 1. If a man who
has been accustomed to live like
an animal & partly veg. food. will
live entirely on food. & for a
time he will be putrefied. & the
putrefaction will be more for health.

[illegible]

[illegible]

(as I have) we come to consider the
all. We shall find if we cannot
employ any but it in suff. quan-
to have any effect on the gutta serena
If for instance we were to take 100
grains of sulphuric acid, or 100
of benzoic acid. I will immediately
begin putting it in the place in
strongest form. & I think. If the
travelling pains of blood in the body
would apply this quantity of acid of
vitric, or benzoic, put it in the
parent's but one can by no means
do this for only 5 or 6 grains of
vitric acid can be given for a dose,
(the stomach being able to bear
more) and if it is not well not
less of dose to be repeated more
than once in 24 hours - so that
if a dose of 10 grains of acid can be thrown
into the system in 24 hours, it is not
more than 40 grains. If very much
of these 40 parts a part will be lost by
the dilution a part will be taken up
by the water - and another part by
calcareous earth it amounts to in the body
so that we cannot get in so much
as to show the least sign of acidity
upon a Part. Gas is also much used
in the system, I have not expressed
acidity of blood nor any other
of the fluids necessary to the body

have a disposition to be acid than
- perhaps - perhaps shd. take fl. in
of quack and a, who shd. on play acid
and what is said. The subject is suff.
namely the presence of the joining further
the delivery of the blood in matter of blood
formed of that - We cannot think
instead a quantity of acid into of old
repts. to be at all susceptible to any effect
nor therefore it will have any
power of keeping fresh. If it
does, not in fact, as a very small
amount of it, same kind, it is a question
whether any part can pass into of
blood - vessels - A salivary gland
of a dark color, if ~~any~~ ^{any soft} of iron
is applied to it - Not after having
thrown into of stomach. Have found
a quantity of salivary of bark - a few
hours after opening the abdomen
taking of the ~~of~~ of, lactals, or
applying green antiseptic. no discoloration
other fl. - so that it must be a
question whether any portion of
it is into the blood vessels - but if it
does, certainly not in a sufficient quantity
have any effect in coagulating of
injection of the blood - A. J. sea
carry arising from of use of putrescent
and only hard antiputrescent
- bifurmentaline has to be taken
in small doses - as well as fresh
in various other antiputrescent



is not with any effect as if in
fact there is no such remedy to be
employed to produce any effect
as a med. It will prevent it
if it is put off, or restore it if
a putrid state to a sound one -
The only antiputrid. than of. can
be placed, ~~in~~ food, instead rather
to in the gift of acetous, than putrefac-
tion - as such negl. of food
formerly pointed out. This by
forming a chyle of. is not dispo-
sition but an of. can have rather
to become acid, gradually taking off
of. dispo- to putref. of. fluid - of
which it had already gone forward
and putref. has been? for of. system.
But there can only be employed
in cases of sea-sickness for in
deco. & where a deposit of strength takes
place not for of. food, simply negl.
food has no effect - but restore of. strength
of. system is the only means in
these cases to take off of. present
putrefaction

We have now gone thro' the
various classes of med. we have
concluded to alter if we put of
of matter of of. body - we have to
an examination of. there are few
of them. have any cur. of. effects
in med. - inevitable we rather
that if we will go to of. bottom.

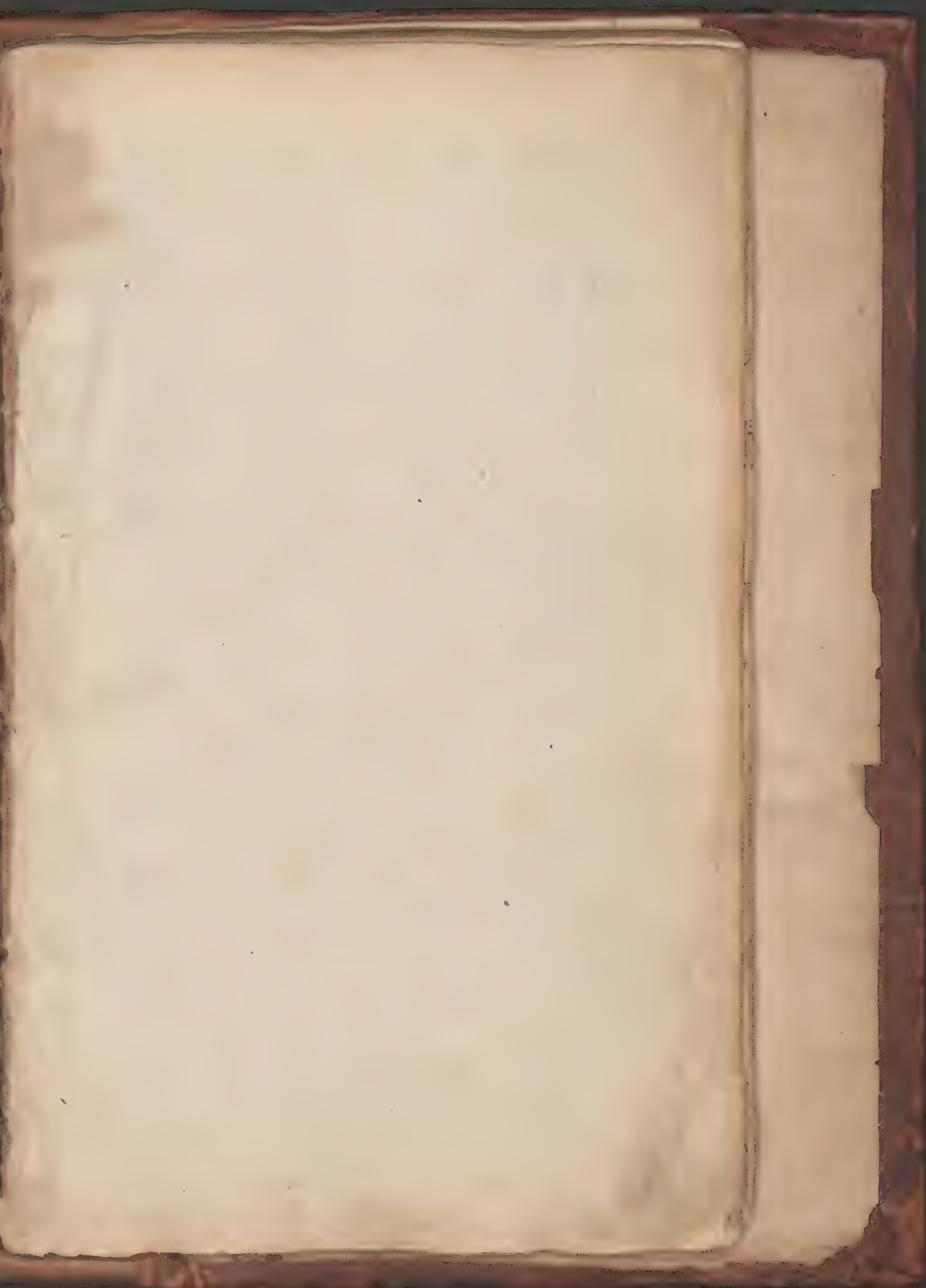
as we cannot have a visit an-
quiring into the grounds of such
belief, & more especially since
all those authors who have con-
sidered the subject, depend on the
same authorities, & matter of
fact, & matter of fact, were totally
unacquainted with the matter. I
The red particles of the blood are
sufficiently conspicuous for their color
to have been almost still - but it is
not 200 years since the venous
blood was not half of time since
the lymph was discovered
Dr. H. observes of the himself
discovered of putrescent m. cells
& also almost all of the parts of
the different parts of the blood that
are now known

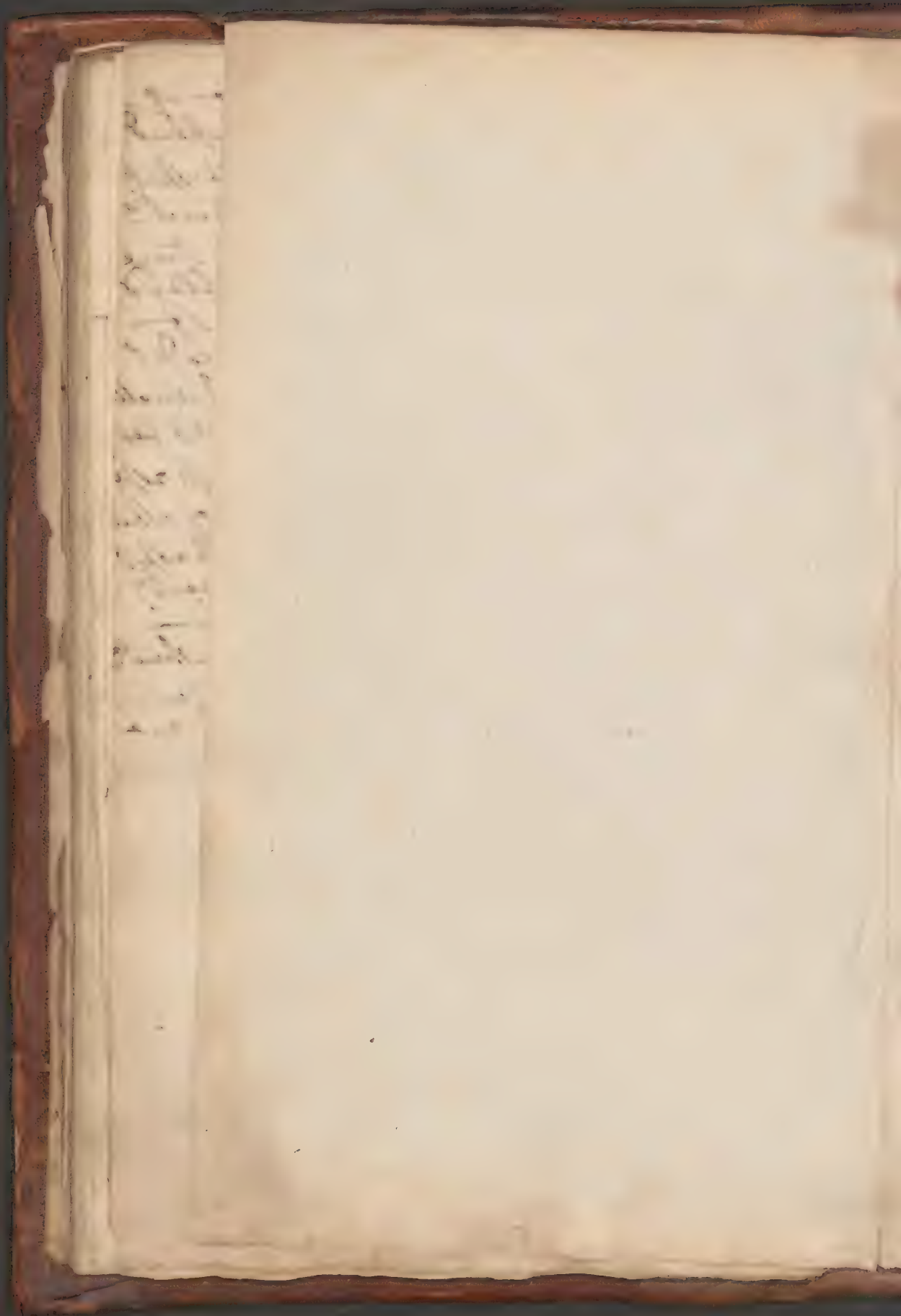
The Greek School of Medicine among
many modern Pract. great dopts
had been placed on the alt. of the
solid fluids and there are 2 authors
in med. of the properties of the solid or more
of the animal matter being so alt. &
constitute of principal cause of
dis. & that most med. act by prod. of
the reverse alt. by restoring of the state
of the body to its former properties (as
Pract. who have describ'd of the prop.
of alt. in the matter of the body when
they were totally unalt. with the
of either of solids or fluids cannot certify
the course of a new authority in
med. — In fact, the body is so constructed
that there are many great alt. in
the parts of the matter of the body, it is
capable of producing diseases

Vide No. 3.

Handwritten text in a cursive script, likely a letter or a page from a manuscript. The text is written in dark ink on aged, slightly discolored paper. The handwriting is fluid and characteristic of the 17th or 18th century. The text is arranged in several lines, with some words appearing to be underlined or written in a larger, bolder hand. The overall appearance is that of a historical document.

25



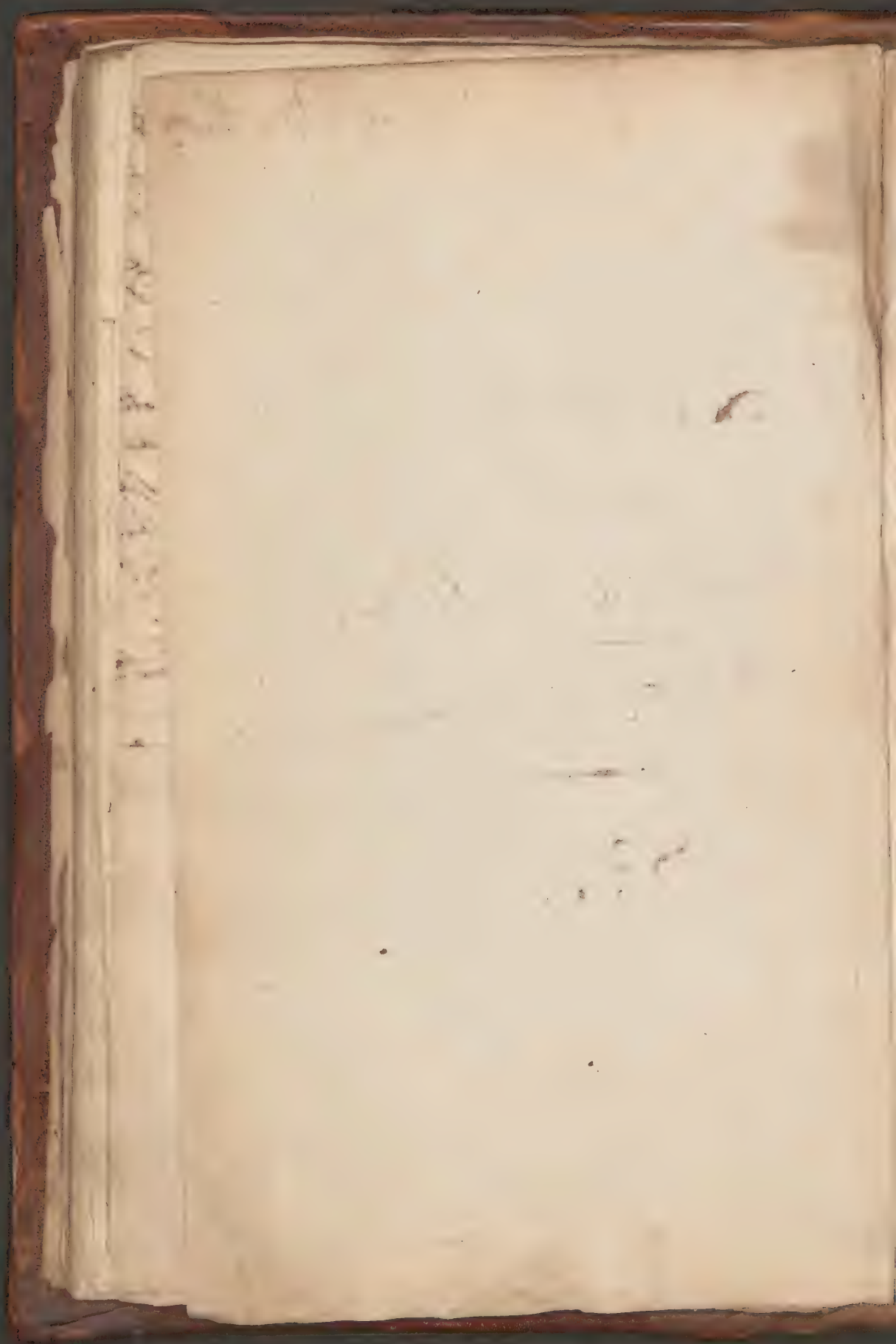


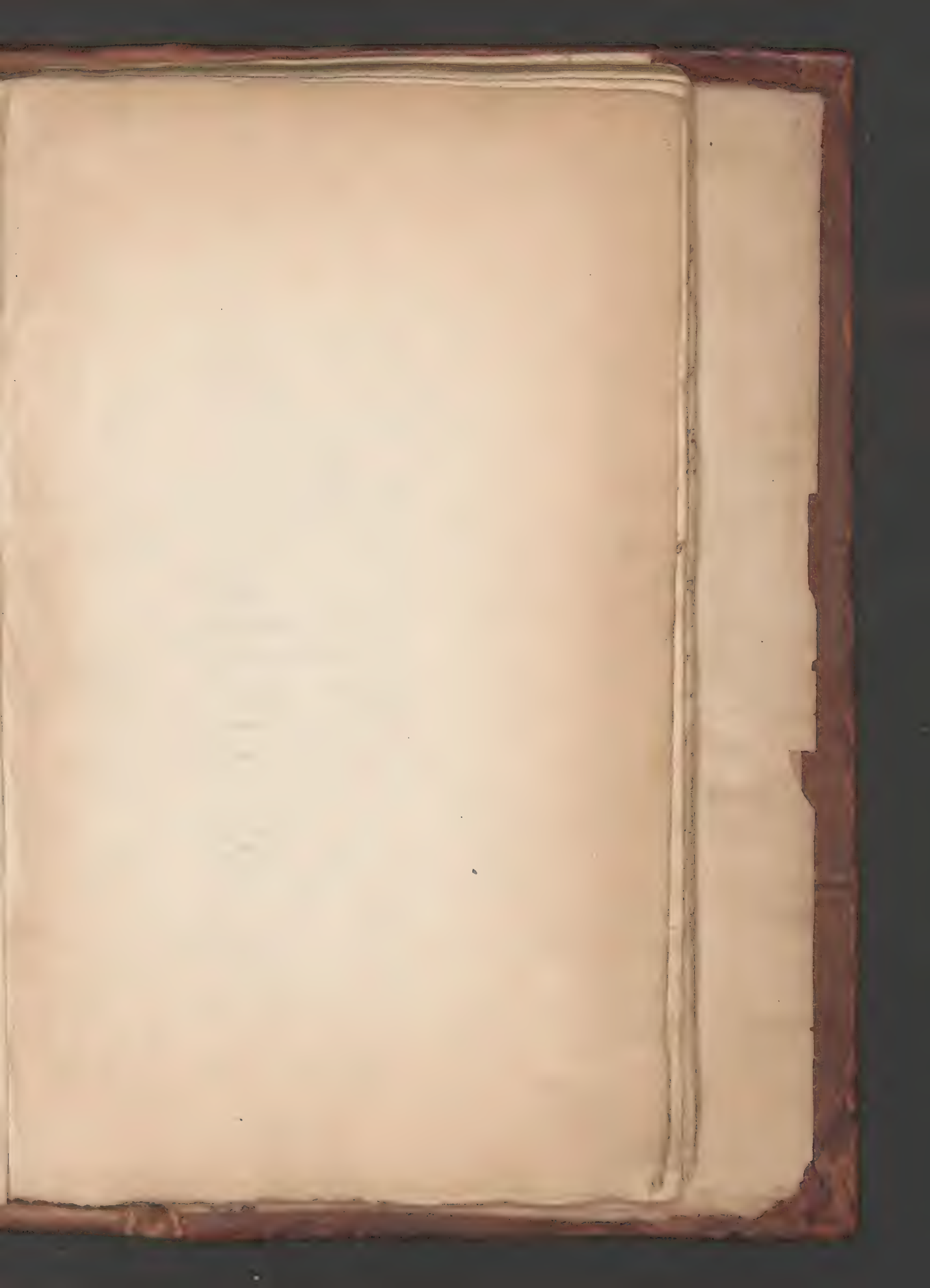
Cod. Mather.

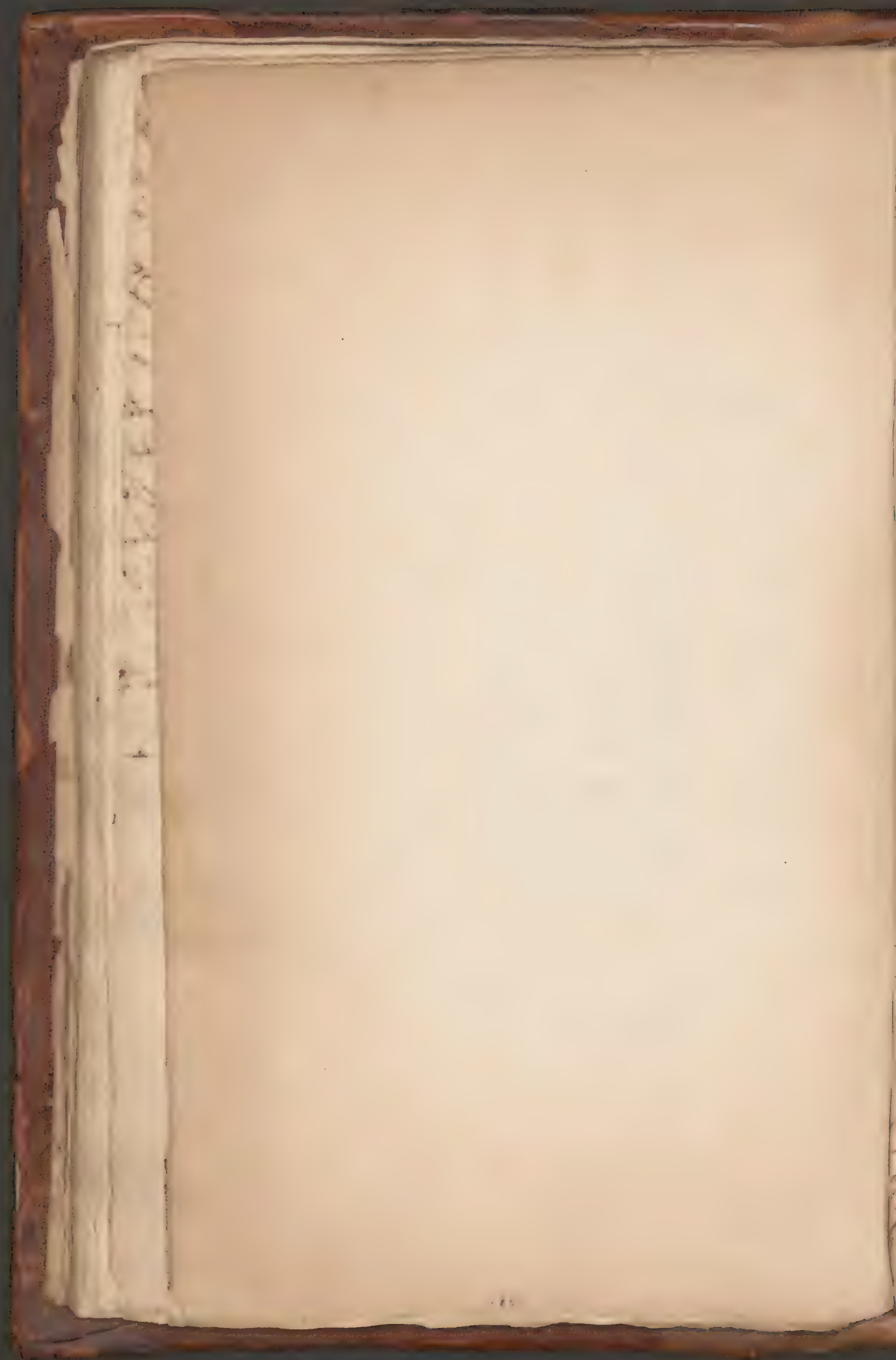
Lectures
on the
Materia Medica,

By Dr. Codr. Fordyce.

No. 3.







Let 423? Of Stimulants.

Stimulants are performed, as being
a moving part with action when it
is or rather an increase of action of a
part already in motion. We have
said of all of moving parts are contracts
in a living body & of the dep. there
in a dead one. Even when they
are at rest, they contract & contract
quicker - contract less - but it counts of
some a certain length of time - We
call it of time of part. When a
moving part is brought into action
it counts more contract - it counts
nearly part for a very length of time
but is succeeded by a relax. - From
Hodgson's and one's hand, a tremula
in motion is easily perceived. It shows
it of fibers are contract & relax
About contract & relax. in any leg
muscle in 3 ways - 1st of quantity of
contract may be more - 2d of force
of contract - 3d of quickness. all of these
are increased - it is more effect
with in of contract & of relax & of
primus & second & third in coming again
an ex. d. of strength of contract
muscle & of second & of third in coming
to be contract, slower - Till all the
will of the power of pulve in a
part & they are smaller - 2d of of part
of contract may be more - 3d of of part
of - 4th of degree of contract may

a. Folded a thin sheet to the middle
will off. immediately bring on an
increased action of the heart a sudden
flow of heat & increase of circulation
all over of body

and with M. J. frog? or force - A. J.
frog? may be much with J. force
as required - Some has gone, a
result about many med. substances
they were stimulants or sedatives
I am for inst. w. remedies J. pulse
though but slower, has often become
cooled? as a sedative - ^{cells}
of these med. specif. w. J. J. J. J. J.
of J. 3 effects - w. are many of the rapid
altogether - Every attempt to destroy
an irritable part, skin? - Disturbance
skin? w. part of J. body capable
of self defense - Crippling or cutting
maintain part of J. body frog? & J. J. J.
as well as diplo? - cap? or perf? of
J. chemical analysis - But there
are of the many med. w. skin?
to have no power of chem? or
mechan? as say of a med. J. J.
body - There were supposed to have
sharp point w. J. J. J. J. J. J.
such an idea can only arise
a mind w. has been inattentive to
J. circumstances for J. small
important parts of J. body are so infinitely
small, that were they were so large
they could not stimulate run any
part of themselves, skin? - The
most part of our stimuli are such
as food, & mechan? as heat,
light, & J. J. J. J. J. J. J.
in med. It is very rarely that they are
applied to J. part w. they bring in
action - But if we could

(a) When any thing is taken into
man's, it does not touch its man's
but as to this I mean it. comes in
2d. case of J. Storn. &c.

whether more minutely we shall
find it is very rarely to a stim.
is appl. to y. part. & it acts - Wine
& spices thrown into y. stomach. widens
action it is as to excite y. act. of y. heart
& arteries. - They act long before they
have time to be absorbed & reach
y. heart & act. and stimulate - and
so y. system. Then out to the marrow
into the stream. - When we apply
canthar. to y. skin - to excite y.
action of the arteries in y. skin.
is by no means apply'd to y. part
w. it is to act upon - You no fluid
can penetrate y. skin & reach
~~the blood & the heart~~
as to kind it is exactly papine & red
y. corpuscles of y. blood. as y. skin is
permeable to the papine & the
corpuscles are absorbed in y. blood - (as the
arteries are never apply'd to y. part. of
y. skin w. they stimulate & whose
action they increase - so if we
when we apply stimulat. to a part of
part so as to part. excite action in it
y. stimulat. body. & part. of y. body
partly apply'd to y. part. of y. body
stim. differ from one another
This is so the of them have their
action on y. part. of y. part. mean to them
as y. they are apply'd (as y. act. of
y. blood apply'd to y. part. will excite
y. blood in y. part. while
y. vapor of vol. & heat is to excite
only y. skin in y. part. of y. body

as the case applyd to the system, and
universally on the whole system,
system to the prod. of universal
inflamm.

but in every other part of J. system
some stim. there are partial
& thus universal - some stim.
tend to prod. exsicc. in fl. - others
wholop - Give an infl. of any
e. or phlog. of a bulb for ins. and
we apply cathart. to J. skin, then
will then take off J. infl. - followed by
evacuation of surplus J. part outside
but if on J. other hand, any resin
as galbanum, granum, castor, turpentine
is applied J. skin will not be infl.
but J. infl. will be increased
are caught J. infl. & suppress
such stim. as tend to prod. infl.
in fl. in a partial part tend to prod.
J. infl. of system - Hence have
be called inflaming stim. as
spice - resin. cathart. &c. (at other
stim. we are also some v. & have
tendency to exsicc. infl. prod.
rather J. than sulph. - strength
or hardness of J. pulse - or that stim.
have in J. system ~~of J. part~~
mineral - We've said if there
are some stim. w. action of
part to w. they are apply'd or as to
effect of other parts of J. system
some w. have their whole action
on J. skin - when first apply'd to it
as spice, w. no stim. for 3 or
4 hrs. - but by J. time we see some
they are got into J. blood vessels then
stim. is naturally a case of

a. Hence some thin^gs are more
temporary - some more permanent
in their effects - Almost all those
stim^uls w^h enter of b^od. act^g before
they begin to have an effect, are
in flamm^y ones - and tend to prod.
phleg^m & gen. infl^{am} -

action is entirely on the skin.
There are others who act but neces-
sarily on the skin. ~~but these~~ I
have their action lasting 5 or 6 hours
on their epithelium. I. cont. for
3 or 4 days - as resin. out. I. & mercury
when they are got into the blood. The
prob. act. on the skin is a new
irritable part - & perhaps on all the
secretory organs. (If we have no way
to take off the irritation & the
of the skin is inevitable.
These are some of the skin. I. & a
capable of affecting one part of the
body much more than another. I. me-
call. I. specific skin. - There are
some of these who may be difficult
that of the system to get to the part where they
particularly act on - (as the skin is
stim. I. much of the blood, must
be absorbed in order to stimulate.
If juices are not absorbed, they do
not stimulate - Also mercury I.
acts on the skin. I. & the system
be absorbed & act on the system in
order to prod. I. effect - Some have
supp. of this stim. was in consequence
of them being sent more easily and
by a larger pore applied to a particular
part - I am of opinion this idea, is
appears clearly false for some have
and actually a power of stim. I.

(a) why it is injected into J. (b) as
shd. affect J. (c) as rather than
any other part of J. (d) as he
does not know - but says it - he
will undertake to explain it
if any person will tell him why
a stimulant good. and how in any
part - But this, when I have to sign
many other papers, I see the
effect of - but caused by Rain

not more than another - Not
stimul. The intest. more than
of stom. - but this cannot be said,
they are partly affl'd to them, for
they pass thro' of stom. before they
arrive at intestines - and must
have been apply'd in a more con-
centrated state to the former -
Not thus, because intestines are
more apt to be affected by aloe -
Pecac. than of stom. - a great
disposn. to act on of stom. than intest.
Aloes be more absorbed from of
surface of of body - it acts chiefly on
of intest. & if spec. be injected into
a vein, on the stom. 14 But
there are stim. also w. prod. action
in particular parts without entering
into of course of of circulation
Can we? to the part - A dislocated joint
under cert. circumst. prod. sickness
& vomiting - that if has are injured
connection w. it - ^{stimul.} - in a variety of
other cases, apply. made to one
part, affect another -

Sept. 24th Stimulants cont.

The purpos. for ad. are chiefly
to promote digestion
in of 2^d place it must be given
if all med. are bounded in their
effects - all apply. made in a
case for a particular effect

Showing some in the storm &
point to peculiar effects - & inflame
in other parts of the body -

I became simple stimulants & others
in case of J. Dore & me. it aff. cases
it aff. instead of becoming part of it
inward - Med. Therapeutic action in
system. in above & can be given as
as simple stimulants on J. Dore. Med.
sickness & vomiting, instead of having
them peculiar effects on J. Dore.
stim. & makes J. Dore. lose a
large quantity of med. & aff. with it.
Med. sickness - For this reason
we give of stimulant. & then
med. - They must be such stim.
as are themselves & capable to
J. Dore. & can be simple for this
purpose - We use stim. to keep
up J. Dore's action of J. in test.
Such med. as have a partic.
disposition to stimulant? & keep up J. action
of J. in test, we call purgatives - but
we know w. we do not pass
simply as purg. & are given in test
with the purgative. in test of J.
in test. - In which case there
will be more & for it costiveness
attend. & flatulency & syphilitic
effusion stim. & are not to be
considered? purg. as purg. are not
to keep up or med. J. Dore. &
in spasmodic action of J. in test. we
use stimulants - Stim. tend to
take off spasmodic. can be given

[The page contains approximately 25 lines of handwritten text in a cursive script, which is mostly illegible due to fading and blurring. The text appears to be a continuous paragraph or a series of connected notes. The ink is dark, and the paper is aged and slightly discolored. The handwriting is fluid and characteristic of the 18th or 19th century.]

Because it arises for us. &
has sufficient action in the whole
system. - Stim. by me. of action of it
und. it more regular consid. of this
the spasmod. cont. is a great action
in a part, yet strong und. - I say take
it off. - Spasmod. cont. of intest. is
of 2 kinds. - Some 2 rings of them cont.
catch a quantity of air the tub. - These
we call flatulency - In this
kind of spasmod. cont. of pain is
arises, pains in some part of the
intest. to another. - it is not permanent
in any one part - There is no
danger of mistaking this for infl.
of intest. - & therefore we are at no
longer employ of stim. in this case.
But some. Spasmod. cont. affects
one ring only, in which case of pain
is cont. in one part - a very violent
infl. of intest. may easily be
mistaken for this Spasmod. cont. for
Very powerful stim. are necessary to
take off such cont. - but these will
do a great deal of harm in infl. of
intest. - We must therefore be much
careful not to mistake infl. for this
spasmod. cont. - Stim. are useful
some. in cases of weakness of intest.
Very moderate stim. will sometimes
be sufficient to prevent any flatulency - and
by help of whole of action of intest.
properly will tend to strengthen them

(2) It was of practice of J. Ancient
to employ even such thin? as
pieces for this purpose - as paper
in J. Plaster - & such thin? have
not only been employed in modern schools
but also a thin? of J. Ancient has
not been of J. Ancient? a thin? & of J.
in England of the Moral - The
Constitutional School - & of J. Ancient
many others of J. Ancient? have studied
mainly with J. Ancient? such thin?
and even Van Dikman & of J. Ancient
thin? time

a very rare, but simple, & sufficient
proof, that the law of God is in
all cases, they are more difficult
and of a higher than of force of act
of God, reached after a long time
they do harm, that good thing
have to be seen, to prevent the
return of the party, of which I
shall say in the next, & I am
convinced, that the rheumatism,
the real cure of it, is an
infection of the act, that is
in the body, in the act, &
more difficult, I think, in the
body, in the act, in the act, as
I have to say, in the act, as it has
called in this case, to a right pitch,
nothing to let it rise too high, & fall
as low, in the act, where there is
convinced, in the act, in the act, in the act

improving also spirit. have to be careful
not to intend to draw J. inward on
J. surface of J. body - & where there
no def. of phlegm. infl. & consider much
of infl. for growth of J. has got to
be of time & time are some. & with
the success - some. & we must be
forward supp. & then stand may
be with both internally & externally
to the part - When any one has
been placed in the way to place
internally is also returning applied to
J. part in order to prod. phlegm. infl.
round of dead part & occasion
exfoliation of J. latter - In
exfoliation. time. are useful to prod.
good supp. & of course of growth of
granulations - They have to be
in hand & a very appl. to J. part
themselves for this purpose

The prescription. are also used
to carry off J. green and by one. so
not get the same benefit. be useful
but they give a great deal of mischief
prolonging the paroxysms of inflammation
& causing them to be more difficult
to diminish the relaxation in continued
places - In spasmodic
affections, it is for want of suff. action
they of a patient. first to make to us
in case - By time we can make
a whole act under power. & think
the off. in each. & risk

(a) The astringents of the metallic
kind, especially Zinc, are most
efficacious in the Gonorrhoea.
We have here ~~some~~ ^{been told} of several cases in
which zinc was successful. —

(a) Section of the line —

(a) While the hem. cont. they sh. not
be used certainly, but when that discont.
& the Staph. does not return, they may
be advantageously used. — See Sect. 15 from Sect.
... of the ...

In spasms: ~~spasms~~ contract the
muscles are convulsed. After successfully
treat of sp. present spasms & hysterical
affection - In epileptic spasms, it
never occurs, if they are useful - when
in perfect epilepsy, or spasmad. form
this also rarely if they're of any
service in tetanus - for the sp. may
have been used by some as remedy
effected in it, yet Dr. F. never saw
any advantage accrue from their use
nor in chorea Sancti Viti & other
spasmad. affections of the mind -

Stim. and anodyne. After success in
treat of present spasm, the sp. are
of little service. The patient more
become insensible & therefore more
liable to spasmad. convuls. - As
in stupor, (of which species, are apoplexy,
palsy, convuls, & lethargy) it often happens
that the sp. arises from fulness of the
arteries in some parts - In the
congestion of the brain, and
also in palsy, as long as the
sp. persists - In apoplexy, the
arteries of the brain, are
tended to and the dist. of the
arteries in the brain, is
of the cerebral system - In other cases, as
in stupor - It must be observed, if the
sp. persists, it is a sign of the
sp. of stupor continued. - In the
lethargy, it is a sign of the



§. a subject of §. red. for cont. aff.
 any one capacity & I have also paid
 cont. after §. removal of its cause
 In these cases by cure of stim. we
 can restore of anirated motion to
 §. parts & ~~the~~ their action of course
 After then any fresh? has the in §.
 §. §. removed, when it has
 arises from any other cause
 stim. may be ~~used~~ ^{resorted} to
 in part, when it affects §. interior part
 of §. body stim. also we use to Phos-
 phate of §. solution & so on. In cases
 of ~~obstruction~~ of menstruation, stim. will
 from occasion their introduction
 Inflammation in ~~the~~ ^{the} same case
 Crinoid or carrier of a dis. as given
 in Rank-rheumatism, ex. & mod.
 affect. &c.

Lect^{re} 26th. Stimulants con^{tr}l^d.

[illegible]

(a) These plants have their stems
thence depend entirely on the oil
oil w^h they contain - it is different from
of whole plant, but more fragrant &
in its flavoring tips - As we can't
have them all growing all year,
it is necessary to preserve them, w^h we
do by drying them - When we
want to dry any herbaceous plant
I wash it, the retaining property when
the sun has shone on it 2 or 3 hours,
but it will not only be perfectly
dry - but its juices in some degree dried
than it should be kept in the dark, in
a heat of 90° of F. & 70° of therm. - The light
destroys the property of plant new, much
more during the process of drying than at first
in the plant

By Distilling plants with water I extract
oil & resins & the like. I water. I if
we use a proper quantity of water, I if
I. 100 or 120 parts of water according to
the specific gravity - The water is in-
creased with 6 parts of water of the
spring. I if we call distilled water
if they are distilled with a mixture of
alcohol & water I extract oil & resins
over a fire & ~~water~~ a part of the
oil is called spirituous water & very
improper expression - No Prodigal
oil & resins are distilled in it -
spirit water which called an essence.

shall let to them - By this means we
may preserve them any length of time
which will last - 2nd If the same are
disposed of getting into every year, we
may hang them up in bundles - and
preserve them very well for a year
we said of. I venture depend entirely on
the strength of oil in them - We may also
distillate. 1st - The following properties
in most of of. *Didymopanax* is in a
large proportion in a simple. There is a
substance - It is to the 7th or 8th for
a dose of a very light powder, it is
hardly possible to get lost. To make
they have been used to promote
digestion, as stimulant. 1st - Mint
they are very sweet. 1st - They are
agreeable to the stomach themselves
hang on them as vehicles for the
substance of the fruit - as common
mint. 1st - They are pleasant as
for the fruit. 1st - They are pleasant
to the off of flatulency, as well as some
slandering. 1st - They are regarded
sufficient stimulant. 1st - They are not pleasant
though in of. *Cholica* 1st - They are
for the stomach part of of. 1st - They are
useful in most of. 1st - They are
of the interest. 1st - They are
a bitter juice - as *Salvia* - *Scordium*
Chamaedrys &c. - Some of them are
very good of bitter ~~of~~ bitter
a most pleasant &c. 1st -
1st - They are scarcely of a

(a) In a denominational house they are
not supposed to be of any use

They have been found in the
infus. I doubt for Mentha Balsam
some others as common
which in fact. — This is remaining
of the idea of carrying off the last
kind at the time when the seed is much
stimulus as to the very weak
so as agreeable to the body. — It is
then present in the same. — It is
being in fact. — It is
admirable for the purpose. — It is
may be made use of in infus. —
admix. in fact. — It is
present in the same. — It is
some mixture of the same.
They have been found in the
in the same effect. — It is
found in the same. — It is
they are advantageously used, especially in the
same. — It is
Majorana, & others of the same family.
powers. — They are not in use in
the same effect. — It is
apoplexy nor in any case of weakness
nor pain. — It is
of the same. — It is
made use of in the same.
primary and secondary effects.
have been used particularly as pectorals.
Mentha, Syriacus, Styracis, & others.
They are used as cordials, as cordials
but are not now much used in
practice as they were formerly.
They have been found in the same.

Handwritten text in a cursive script, likely from a 17th or 18th-century manuscript. The text is written on aged, slightly discolored paper and is organized into several paragraphs. The handwriting is fluid and characteristic of the period, with some words appearing to be underlined or written in a slightly larger hand. The overall appearance is that of a personal letter or a private journal entry.

Medica & composit. Their reports of use
of action & mod. are not yet so
better than this class of seeds for
cure of all f. dist. indeed to f. humors
they are indeed further than Colonic
for use found suitable to it by authors of
past. suff. to cure all dist. - but this is
new for f. being f. case - There is
in fact nothing we can depend on
as little as of ~~united~~ notes found?
said known by authors who have
written on the Mater. Medice -

Sec. 2. Stimulants continued
Umbelliferæ

The next class of ~~stimulants~~ ^{one} is a
~~very~~ natural ~~one~~ - called by
Linnaeus Umbelliferæ - They form
a part of f. class called Pentandria
Digynia - They have 5 stamens &
2 pistilla - but they are more partly
remarkable in each flower being
placed at f. top of f. flower, and the
ant. of these flowering stems ~~are~~ ^{are} being
together at f. top of a large one - They
are called f. umbelliferæ many plants
in many of them these ^{leaves} of flowers
supported by a stem are fixed at f. top
of a still larger stem - so as to form a
double umbellæ - Each flower is
followed by 2 marked seeds w. are fl.
an f. sides apply'd to each other, on some
f. sides on the other side -
each of plants contains three different
mild. juices - 1. essential of ~~the~~ oil

as I have seen and heard, May 4th.
see kept in close vessels

those virtues we shall not represent
under the 1. 2. an antispasmodic
one - as resin. subtl. - Sassafras
Propolis - Asperula - Angelica se.
2nd a garrison. juice - as cuticle - w. Pres.
but in kind. but scarcely in any
success - The skin. of essential oil,
is neither near in strength nor universal.
The plant containing it, as an emulsion? in
Dr. Fuller's catalogue are Anemone Anemone
Anethum - Angelica - Anisum - Carum
Cuminum - Fenniculum - Dill -
Galbanum - Galingale - Hippocistis
F. C. M. with some of the antispasmodic
resin? matter as does Dr. L. in his
Cimicifuga Sassafras - Sili. Mephitica
Sili. Montanum - There are
several others of the same nature, but they are
have similar virtues, but there are a
great many more which than we can
use - Those we employ, are principally
Anethum - Anisum - Carum - Cuminum
It is of seeds of plants w. cont. of essential
oil in the greatest quantity - As there can
only be obtained recent at one time
of the year, it is necessary they should be
preserved - To preserve seeds put in one
sh. gather them when fully ripe - If they
are of the same kind as the others
or 3 hours - instead of putting them in
a dark room, we should spread them in
the sun & shine for 4 or 5 days - (a)

A Strawberry seed do not continue
more than a month or six weeks.

in the life of J. embryos in J. seed preserved
is perfect. J. whole - & this is very
much confirmed by exposing them to
J. sun for some time after they are
gathered - The life of J. embryos exhibit
very much the preservation of J. seed
by preventing ferment^{ion} in it. This
life is very various in diff. seeds -
In some it does not continue a month
or at most six others a still shorter
time - while in others it continues for
12 years - The seeds of J. cucumber &
widen may be preserved very
perfectly during J. time - & the seeds
of umbellif. plants continue alive
about 2 years - when J. seeds of a plant
cont. alive for one year a plant
of J. grows in moist countries it will
continue while keeping them longer
for medicinal use - Their virtues depend
entirely on J. spirit^{ual} & oil^{ous} - in
distill^{ation} - J. is somewhat emph^{atic} & sweet
Their distilled & spirit^{ual} waters are
somewhat made - but not so often
as those of the J. diognamia - They
may be emph^{atic} in infus^{ion} or sub^{limation}
The principal purposes for which they
have been used have been for aggr^{avation}
of J. kindred - They are often used
in the J. preparation - Being native
of cold countries, they have been
of medicinal uses of these countries.

Handwritten text in a cursive script, likely a letter or a page from a manuscript. The text is written on aged, slightly discolored paper. The handwriting is dense and fills most of the page. The left edge of the page shows the binding of the book, and the right edge is slightly irregular. The text is written in a single column, with some lines appearing to be underlined or separated by small gaps. The overall appearance is that of a historical document.

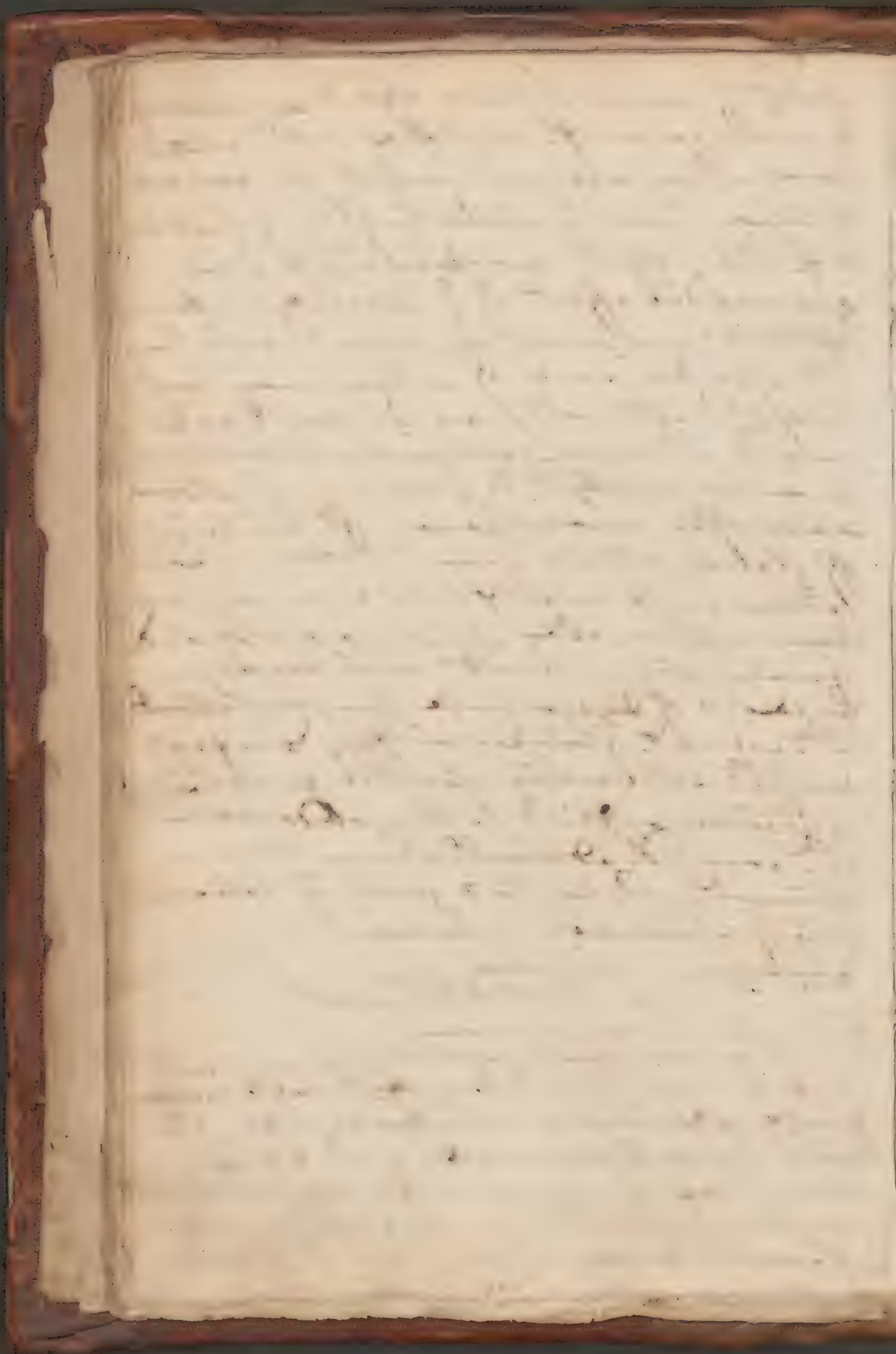
Umbelliferous plants mostly grow native
in cold countries - some of them are
found in the very warm climates
but not so frequently much - gum & resin
affording resin. *rubra* - as *Staphisagria*
Gum Ammoniac - *Siphonanthus* *Saparam*
They have also the *Gum* and *Resin* a
vehicle for the *rubra* - in *Staphisagria*
to the stomach - They have to use
to keep up the *rubra* in weak intestines
They have nothing of a purgative
power except *Staphisagria* *Resin* anti-
-*spasmodic* resin. *juices* - In *Staphisagria*
They are the best *antispasmodic* and
stimul. *juices* we can employ effect
in *Staphisagria* *Resin* and it is *juices*
for *Staphisagria* *Resin* water of *Staphisagria*
or *Staphisagria* *Resin* has been particularly
of good effect not tending to weaken
the intestines so much as the warmer
spices and more cent. in *Staphisagria*
Resin than *Staphisagria* - They
also be empl. to strengthen weak
intestines - Some in *Staphisagria* *Resin* to promote
suppression - & in *Staphisagria* also for
same purpose in *Staphisagria* - *Staphisagria*
has been *Staphisagria* *Resin* in this case
but *Staphisagria* *Resin* is useful in *Staphisagria*
rather in *Staphisagria* *Resin* - *Staphisagria*
not in *Staphisagria* effect - The resin



Subst. of some of them afford are among
 of most power of antispasmod. use
 have - They are not useful in cases
 of stupor, nor to excite inflam. of skin
 or of other effects are principally in
 spasmodic affections of the perineal and
 for this purpose of mind only can
 be made use of - They may, how-
 be appld. externally, as if. in the oil
 in the most common complaints
 may be applied to the skin of the abdomen
 & are often more powerful in taking
 off flatulency this way than when
 taken internally - We may use
 them externally where we are afraid
 giving stimuli internally -
 In cases of dysenteric purging attended
 with crudit. flatulency they are best
 appld. externally in the form
 of cataplasms applied to the abdomen
 with crudit. advantage when this
 stimulus will be of great use taken
 into the stomach.

Subst. of Stimulant cond.

The next class consists of a new nat.
 class of vegetables, which Sauvages calls cruciferae
 glaucas, & Linnaeus tetragynaeas - These
 plants have 4 Stamina of which 2 are
 shorter than the other 2 - The 2 short ones
 are placed opposite each other & the other 2
 & placed in between them in the corolla



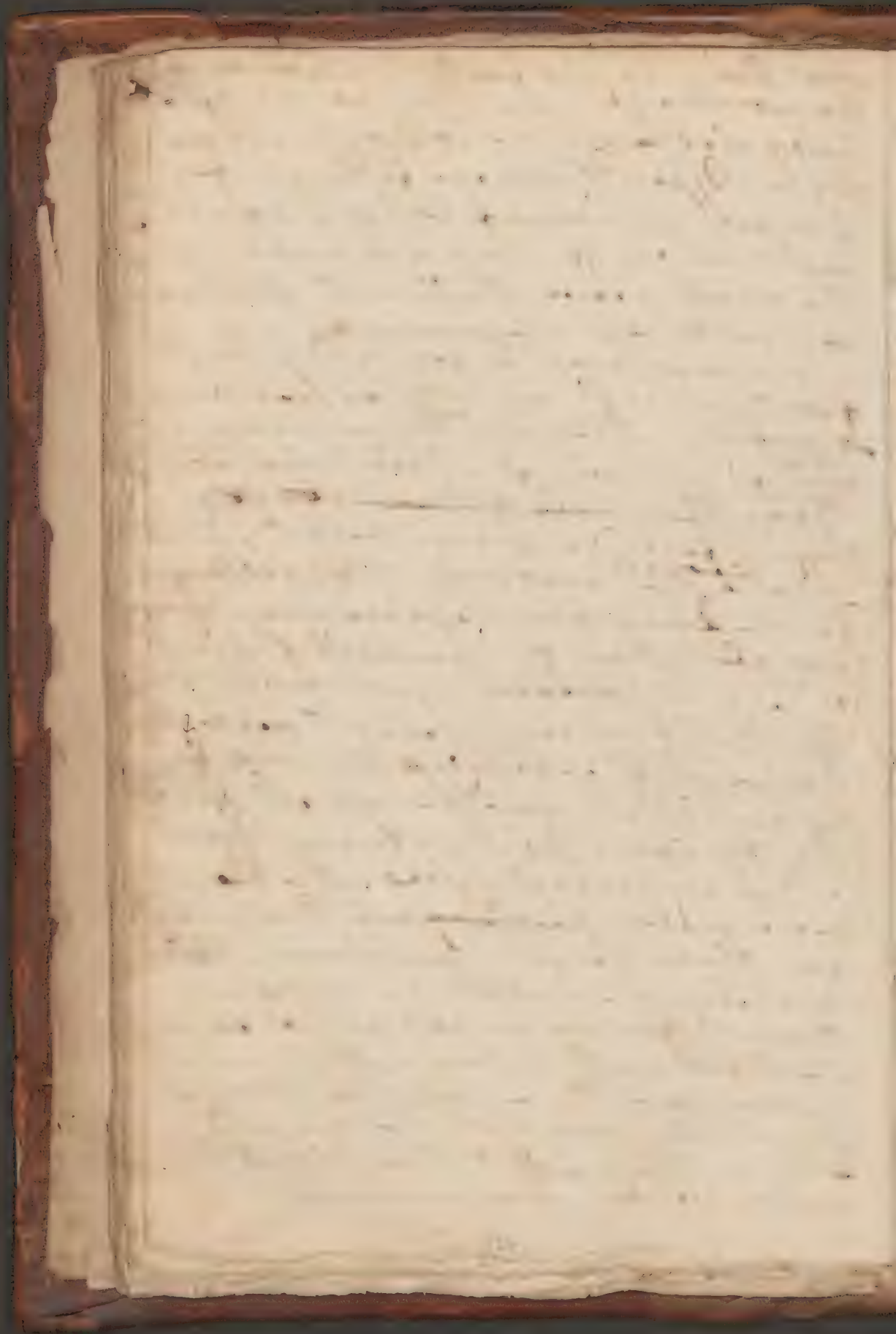
Mustard has in this case been
used whole by which means
it action is continued a longer
time

in each being dried - Others with
it is with the ^{1st} difference between these
plants - Some of them have been
preserved by distilling in their juices
as much sugar as they contain & distillate
They are used apt to fall into ferment
& do not keep well in this way -
Some of them have been used up to the
3 times their weight of sugar - which
we call a conserve - But they are
rarely so used here in this form
Their stimulus is more universal
& less little inflaming. - They are
apt to treat universal rather than
phleg. infl. - They have been employed
to promote digestion - as mustard
house radish garlic & onions - They
are most natural in cold countries
chiefly growing in cold climates
They have some benign infl.
infl. & affect. *Pyroper spec. allium* has
a power of correction as well as of curing
of general circulat. In most cases
it is more in the winter in cold
climates as ours attend. it little infl.
allium has some. but employed
succeed but it is too stimulant when
the arteries are def. of infl. & stand the
breast - They have some effect
of tetradynamia but employed in
rheumatic affect. & humors & a
They are very properly employed in
cases of stupor & palsy & other

(a) They are also among the best
stimulants that we can employ
to excite inflⁿ of the skin as they
produce an eryth^m inflⁿ only a "d^o
not tend to suppurate". There are
2 cases in which they are proper to
be used: when we want to inflame
the feet or hands, or where 2 parts touch
one another, they can be app^d with
more advantage than counteride.
In both cases counteride apt to
produce violent stinging, we inflame
the skin by means of these & they
have the same effect.

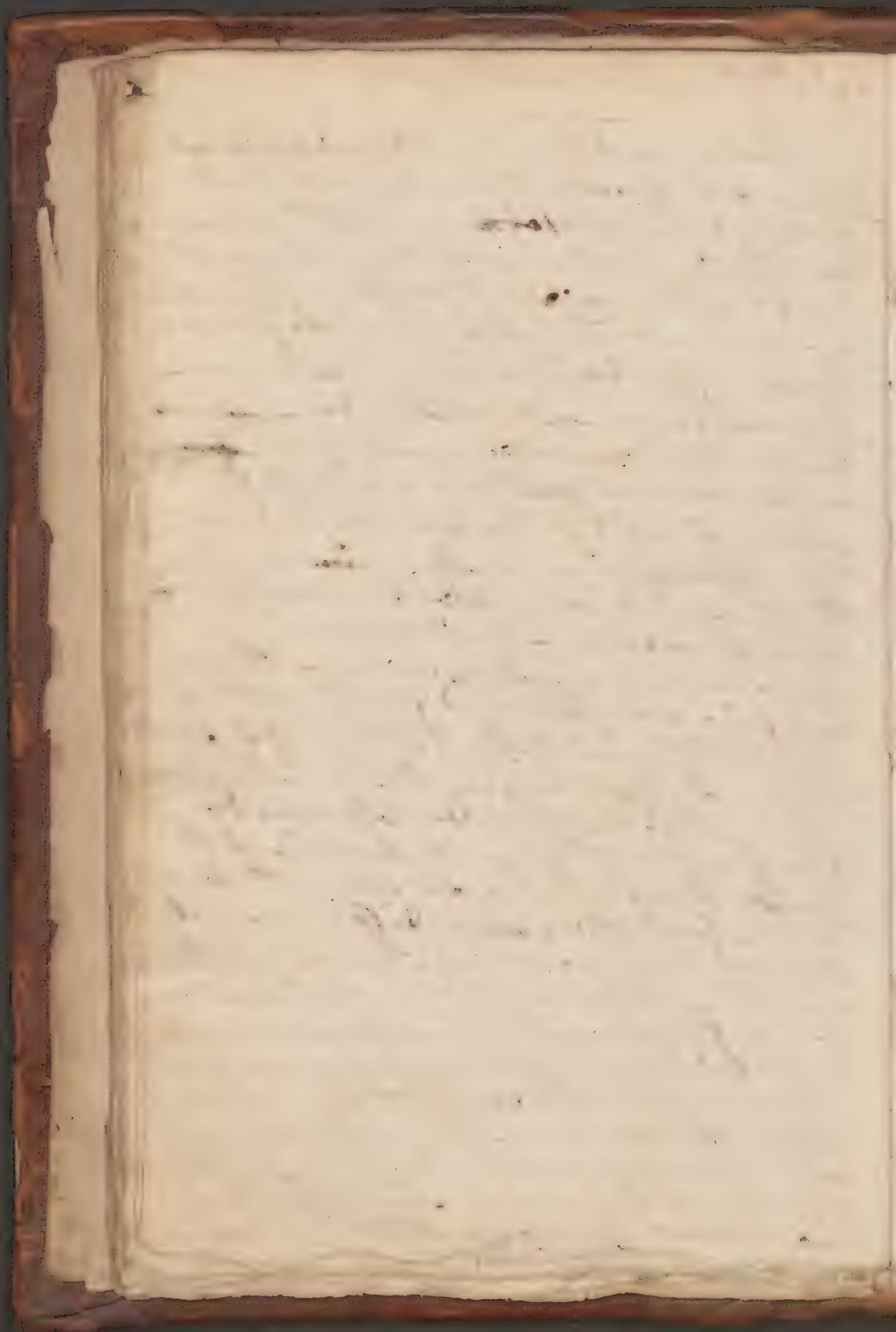
after this is no further chance of
hemorrhage - in this case of
risky also in the 2^d & 3^d stages, when
the last depend not on fulness of
arteries - when a fullness of arteries
has been taken off there are among
the most powerful stimuli. That we
can use (and do) in the 2^d & 3^d

We are next to consider the juices of the trees, as balsams & resins — They are by no means all of the same nature & some of them the whole of the tree being covered in umbellif. plants w. a herbaceous — *Aspidosperma* Gum — *Ammon* — *Sagapenum* — *Thibony* are all taken from umbellif. plants w. a herbaceous — but most of the others from trees — Some use simply the tree itself, extracting the juice by boiling it in water; in w. case the resinous part is brought out w. the gum milky juices — The trees we employ in this way are *Abies* — *Pinus* — *Juniperus* — *Thuja* — *Santalum* — *Guaiacum* — *Sassafras* — These differ as much as the trees can in their natl history — It remains more than to be used, but these are almost the only ones that are used & their use is subject then subject be nearly alike



Sept 29th Stimulant cont^d

Resin. subtilis & only procured
from the seeds of the same plant also
from the bark & exudation — so that we
have three quite different
minds ^{the} resin. Capt. juices — These
are in the field's catalogue & are
Balsam. Gilaense Gilbadense — Piquissimum
Solitimum — Hydrargyrum — Calamita
Sulphurea vera — i. this ~~is~~
— Cammarum — These are all found
in the field's catalogue —
Guaiacum — Benzoinum — Resin.
Benzoinum — Apocynum — Guaiacum
Annamiticum — Calamum —
Saponeum — Saponum — These
last five are known from the field's
catalogue. By cutting off the plant
to the root, there comes out a milky juice
it is gathered & left to dry afterwards
There are a great many resin. subtil.
Cures there will have some of the
use — but there are a different variety
of what are now in use — These
resin. subtil. may be called in the
same of them, as Gum Arum. &
— Catechu, which are natural mixtures
of several matters, sufficient to make them
diffusible in water — But such are
all not natural mixtures — But such are
smaller, still less, & are more to the
substances, if you give them



substance such of them as are soluble
in alcohol, may be dissolved in
so as to make at least a ~~very~~
weight a saturated solution of them
then poured into water just at
the time of exhibition of the water
precipitates in very fine particles
as much as a milky kind of
fluid, when the rising matters
very thoroughly diffused - The taste
of these is ~~very~~ in glass stones.
When applied internally, they do not
prod. their effect immediately, but
when they get into the blood-vessels
are applied to the various instabilities
of the body - Their action therefore
is not immediate while they are in
of stomach. - It requires a course of exhibition
of them some time before we can
expect much effect - Externally they
abstend rather to prod. phleg. in flc.
of the skin - They are not useful
in promoting digestion - nor actually
for other uses. - But one of course
some of them rather disagree themselves
with the stomach & require the other steps
shd be mixed with the diet to make
them readily agree with the stomach.
As last they may be used advantageously
in cases of indigestion & flatulency,
where there was no disposition
to a great flow of the menses, in
women - and of J. Rheumatism &

at Green. Hence over to Sheriff
and for Mrs. Green

in men — in their cases where
there are unobscured flatulencies
in the bowels, they are useful. They
are proper as Cataplasms — Sagapenum
& Opoponax have been particularly used in
this case — In inflⁿ they have been
coupled externally to forward suppuration
in what have been called warm
plasters — as Galbanum &c. —
In sulcer. They are useful in
instruments to promote of proper inflⁿ
of formation of good pus & of granulation
of granular flesh. Blisters are
less so complicated, & they are
almost thrown aside by Surgeons
but very improperly, for in the most
cases they are very powerful & of
Internally they have also been used
to promote good suppⁿ in internal
sulcer. Especially in the breast & uvaire
protrusions — Myrrah has been particularly
used for this purpose — This remedy works
in sulcer of mouth — nostrils, or
throat — or indeed in such as are
externally, & solution of it in alcohol
diffused thro' a little water & of time
applied (or even with such diffⁿ
is often of service, especially in the
throat about of joints, & to the
In fact they can hardly be made
use of as stimulants to flesh in
in ulcers — They have frequently
successfully employed

12 They are by no means properly
 naturally to write in gl.

as Quiaicum &c. — They produce of
kind constant and unceasing action
of vessels into the system in of. with
some of the vis. — Some of them
have been used as antispasmodics
as Apocynum & Quia. — Some more
(which we shall consider in of. class
of antispasmodics) — They are
very improper in any case of
stasis — Menstruation of Disposition
renders them exceedingly improper
to be used in such cases as apoplexy
palsy, Dropsy, Catarrhs &c. — They
are among of most useful remedies
in other cases of of. menstruation as they
tend to produce plethoric inflammation
Some of them have been given
as expectorants — Others (the most powerful)
as diuretics — They have also an
anodyne effect as has occurred in
cases of plethoric & to such occasions
~~with the~~ Balsam Peruv. — Some
of them (as Siliaden. to which
secret. of secret. from of. lungs, when
there is too great a secret. in it
inflamm. — Bals. Capiba — Some of them
of them to which too great secret. are
the most gland in ganglia
of the above, & thus are secret. of
of secret. in the of. system

2
a) It is a very remarkable fact that
has been found in other parts of I.
south of the island of St. John that
with a very little or even hardly.

herbage - In garden & flower
allies. *Carduus*. & (This has been
noticed of and)

Sept. 3rd Stimulants cont.

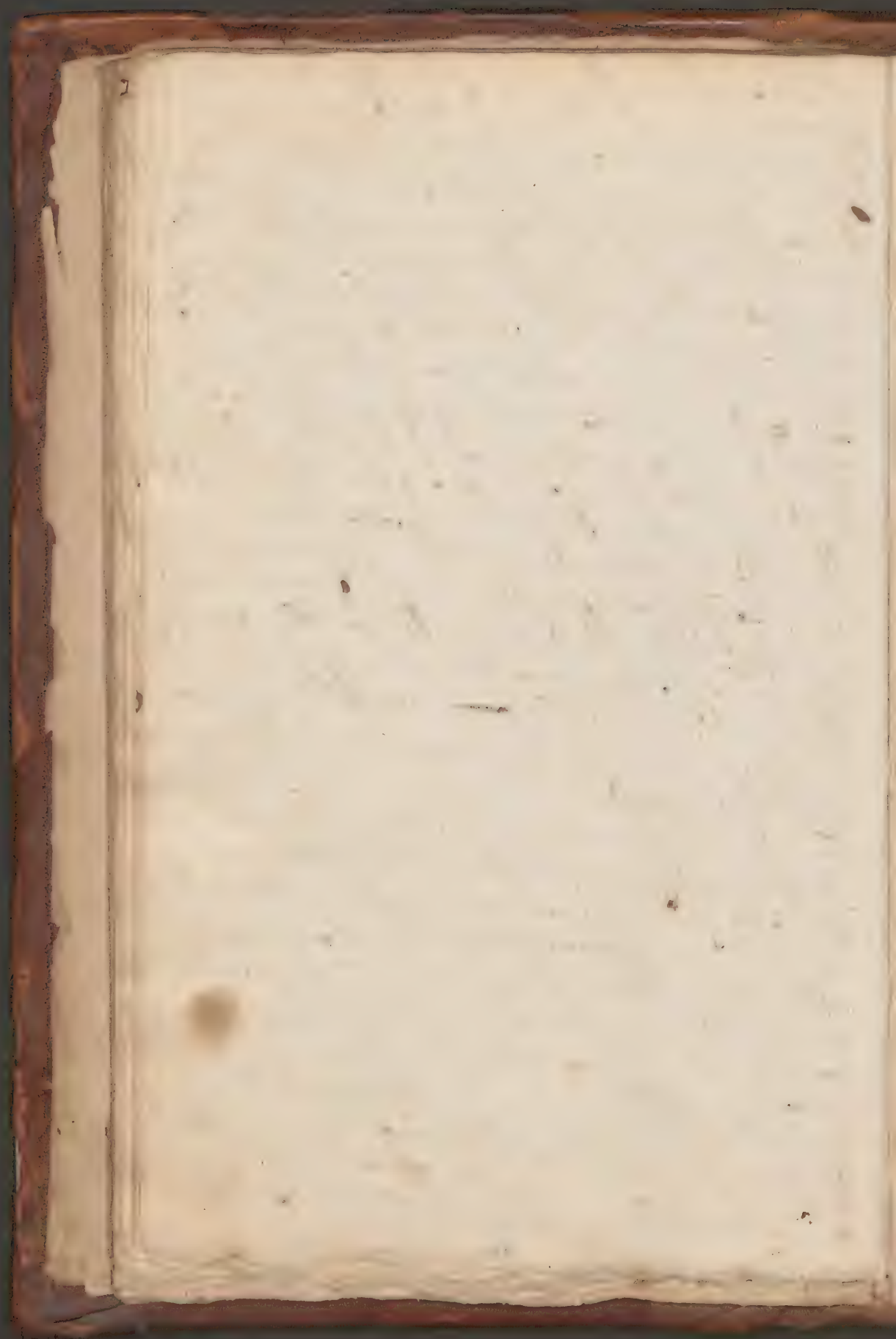
Stomata. There are taken from
plants, & agree only in being natives
of warm climates. Some of them
are herbaceous plants, &
no particular natural class. There are
some of them, which have a leafy
of stemless, & are common in our
catalogue - some partly, as the
Spina *Agave* - *Galangal* - *Edon*
- *Suspan*. *Virgin* - The *Stomata*
have been more partly called species,
are of *Cortex cinnamomi* - *Copia*
These are herbs of several species
of leaves, and indeed it is hard to
distinguish of here cinnamon from
of *Stomata* *Phylli* ~~of~~ ~~the~~ ~~are~~
of *Stomata* of a tree which grows in
East Indies of *Stomata* *moschata*
and the fruit (a)

Mace is a member of *Stomata*
of fruit - It has been brought from
by the French -

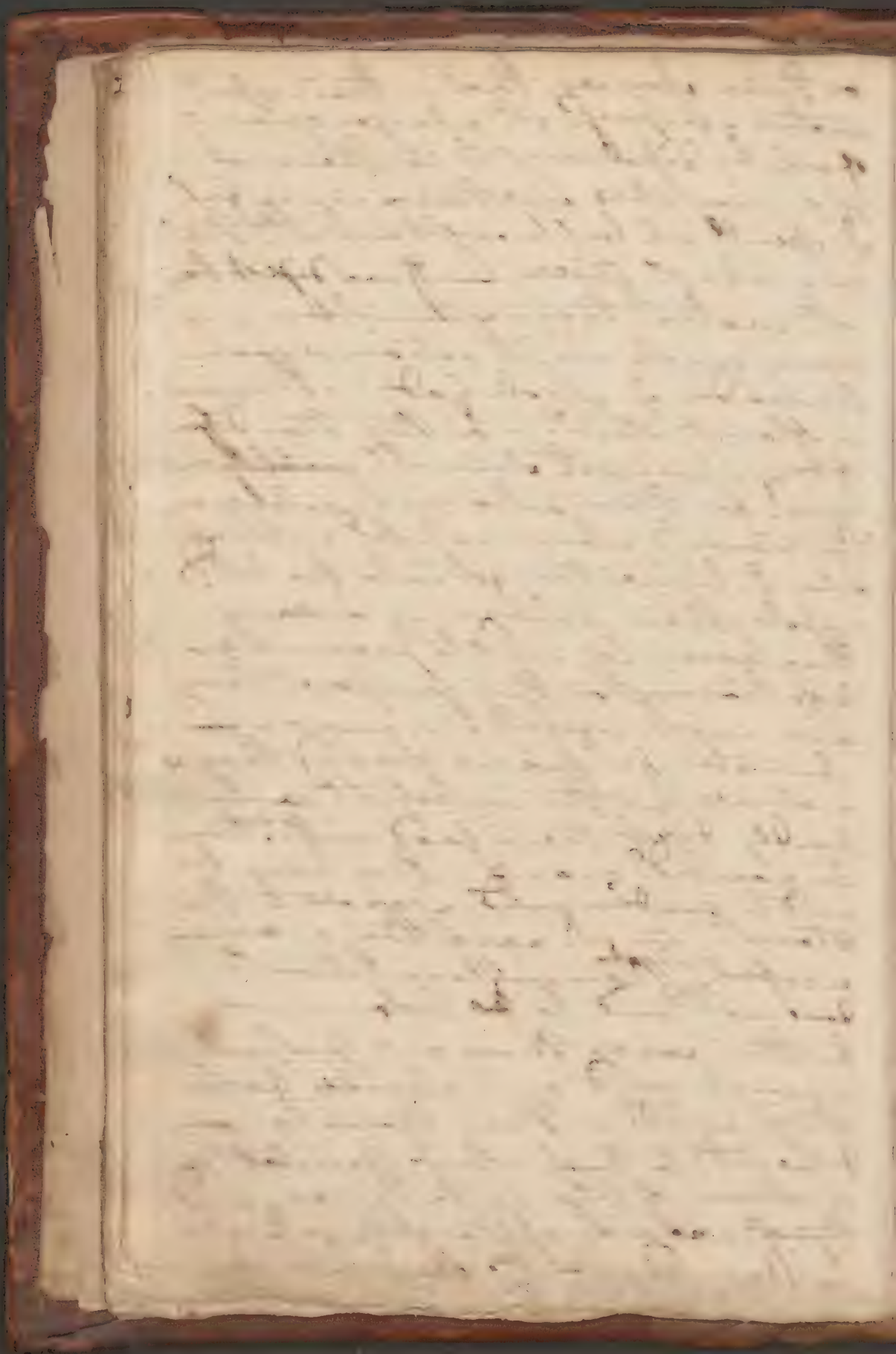
The *Nutmeg* is included in a
thick green leaf like of *Stomata*
The *Nutmeg* is a tree of *Stomata*
almost all of *Stomata* *Stomata*
These are of *Stomata* species of *Stomata*



Pimenta is the berries of a tree in
groves in W. Indies. & has
nearly the same property as Pe-
pper, but is more medicinal - families
of the order Winteraceae - Laseaella
are the berries of American trees, which
besides being stimulant & spent. oil
contains a bitter juice, & are therefore
considered as more strengthening -
Zingiber is the root of a herbaceous
plant. Laseaella is in part. Piper
Nigrum & Longum are also the seeds
of aromatic plants, which are
used by the ancients - Capsicum
is a seed of a plant which grows native
in W. Indies - It hardly can
be said to be made use of in medicine.
It has been chiefly in coughs, &c.
as being from its being so stimulant a spice
called Cardamomum Minus.
Cyanus Paradisi beside, their stimulant
have a degree of bitterness (though not near so
small) but has also made them be
considered as agreeable to the stomach.
All these have their stimulant depends
entirely on the essential oil which they
contain - This essential oil is in small
quantity, & they may be employed in
culinary use, & as giving the perfume to
be used in soap &c. &c. The oil can
be distilled from the seeds, & the spirit
or distilled water.



on their chances, that is their spirit
reacts in part, with a larger quantity
of oil by dissolving it in them.
We may also use them in infant.
I. infant oil be brought out in the
mucilag. juices & given digest them
with water. Their stimulous is
very quick in its action & soon
permeates the whole body. This is an
inflamm. stim. - In this they differ
from universal stimulous. greatly in
gen. for their action is solely on
the stomach, where applied, without
delay of time, they get into the blood
vessels. Their action is over -
They have been used to promote the
digestion for this purpose they
are most useful in warm & in
climates but we are afraid they are
natives & are the in-habitants can
hardly digest their food without them
in cold. quantities. They have been
used to render food agreeable to the
stomach in cold cases they are very
useful ~~when~~ ⁱⁿ inflammation. ~~but~~
do not tend to do harm.
In other cases they are proper
enough used as medicine for
other uses. - They have an
effect to keep up I. Peristaltic
action of the intestines - and
therefore are not applicable as laxatives.
In spasmodic const. they are



and they are the most useful stim^{ul}
either in flatulency, or *H. colica*
Helicium - Indeed ~~these~~ when they
is spasmodic, except in one case
of the intestines, there are scarcely
any other stimul^{ul} of the same
kind upon - But in *H. colica*
they are of most injuries of
any, if the dis^{or}dered and be
spasmodic contraction, but
inflamm^{ation} - We must therefore be
certain of the dis^{or}der before we
employ them - In many instances
such of them as have little little
power must not be given, and
have been employed with a good
effect, except *Cassia* in case
of purging arising merely from
irritation of the intestines - They
tend to increase of circulation
surface of the body, & to large flow
flow of blood from the intestines
hence, for their stimulus - They
have been employed in erysipelas
& inflammation of the throat, but they
are called of *H. colica* - throat, attended
with ulcers - with *conjugata*
in these cases, *Radix* - *Barb.* is
much more dangerous & useful
where we wish to procure the
blood into the system - These
stimul^{ul} may be used

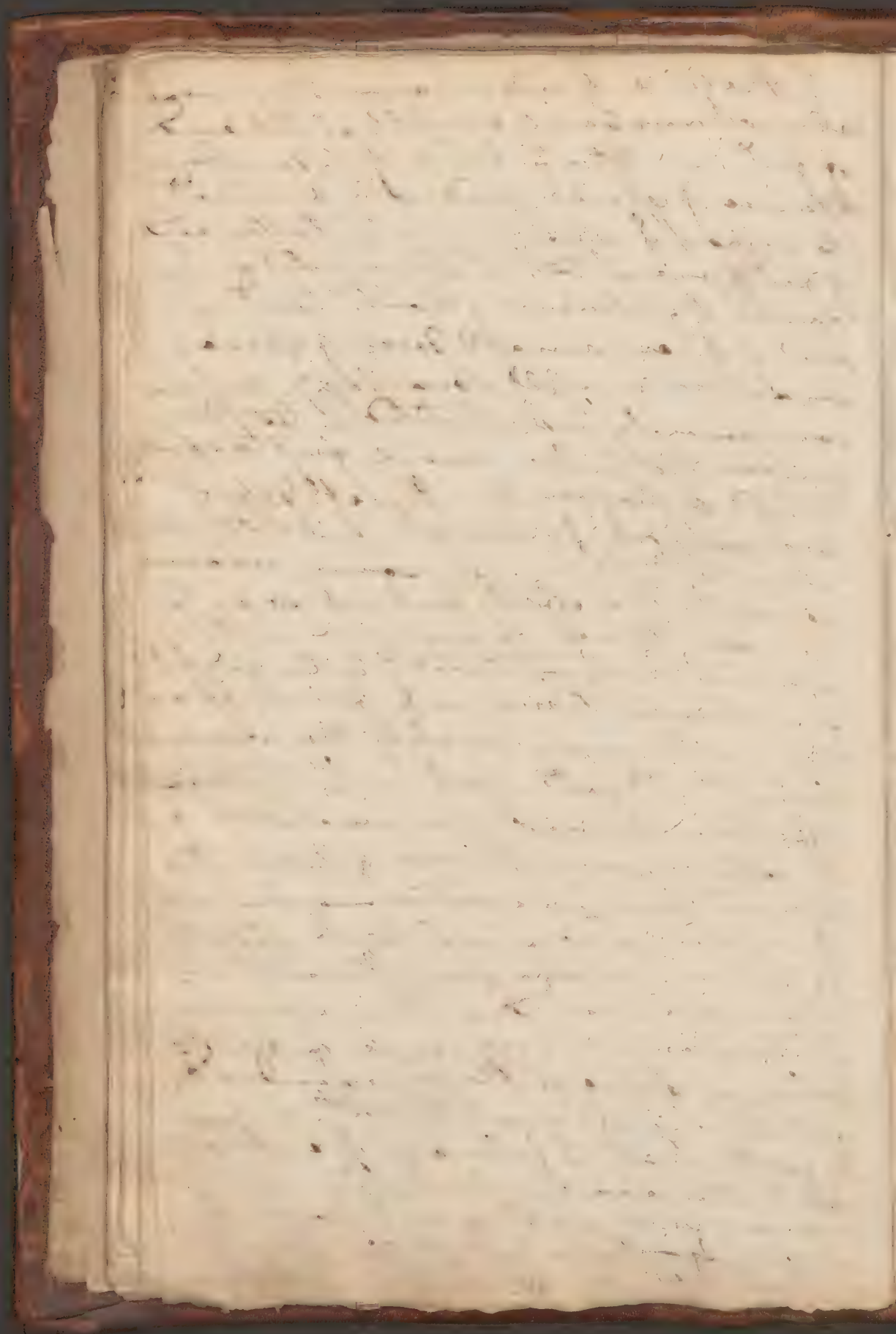
2. They have been sometimes
used to suppress visceral
inflammation. They are also less
applicable than the resinous
stimulants.

3. But in this case they do harm
as they only increase of febrile
strength of the pulse.

[illegible]



In the time of Sydenham they were
almost universal & empl^d. at the end
of 17th - After 1st time of Sydenham
the use of species gradually declined
to support of strength in 1st latter end
of 17th & are at last totally rejected -
cases of flatulency, heart. low. of
and of fever, small doses of species
may be empl^d. advantage - but are
commonly misapplied - As they
render the pulse more frequent & full
instead of stronger, they therefore depress
and support of strength - Aids given
alouded in them in some measure
correct the effect, but not so as to
render them of any use - They
are not proper tant^{ly} to be empl^d.
in inflammation - In faintness or
they act very quickly, they are in
some cases the good effect - In hysteria
affection (hysteria) in weakness of
the system generally, the use of them, tho
it is not present essential - when
of system, and occa^s. to the effect
to return more frequently than they
otherwise would - They are not
indicated in any case of acute
fever, or inflammation, as indeed
all other inflaming them - are
in gout, where it falls on 1st in-
flamed parts they are the best stimulus
we can use as they act powerfully
in quickening system. Division
of the body some at first



in this case, but it seems better
to give the warmer species, as *Alnus*,
Myrica &c. — They have no
disproportion to be made of, if necessary — nor
are they at all applied to any
use of the skin — They tend to produce
a softening of the skin when applied externally.
These virtues are so very similar
that there is hardly any distinction
if some are rather too violent, as
Lupinus — *Opium* — *Clones* — *Richards*,
Prunella — The small quantity of
better can be in some of them, but
not to be considered as of any moment.

See 3rd of *Herbarium* —

The next class of skin is included
Balsamita — *Calceolaria* — *Idium*
concolorium — *Malathrum* — *Nardus*
altica — *Indica* —

These virtues are all to be sub-
divided into 4. *Malathrum* — *Med.* —
is little to be depended on, if not
some experience of its effects for a year
it is hardly possible to consider
at all its effects —

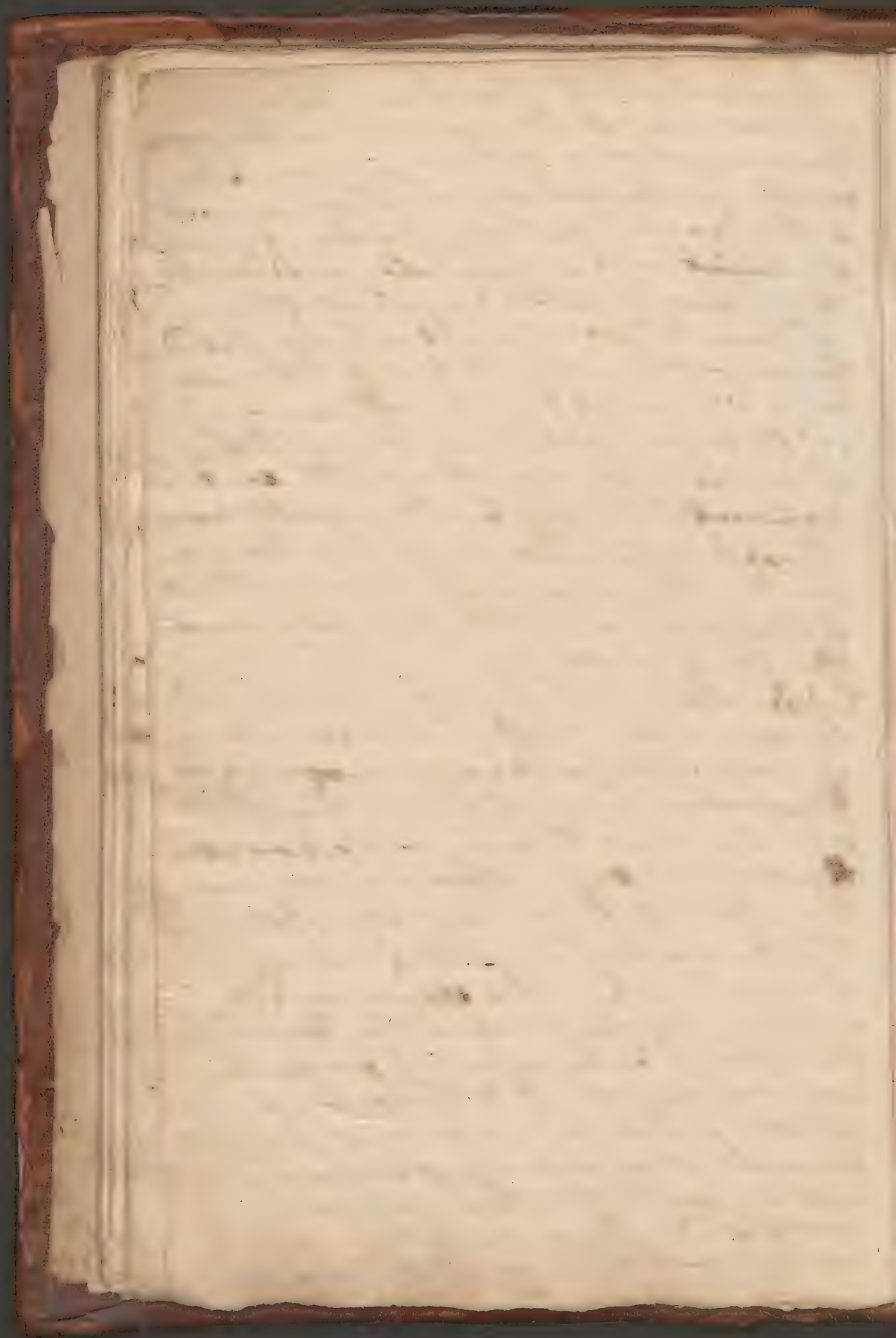
We have in the 3rd part of
our catalogue a class of *Indica* —
Indica — *Indica* — *Indica* —
or *Indica* — We have already seen
it of *Indica* — *Indica* — *Indica* —
but the evidence we can conceive
and not in many instances it
has been disputed whether it
is or is not a *Indica* —

as Linnaeus has been historically getting
the names of our plants - but is greatly
impaired, because if those he has
given them come to be adopted
there will be still greater confusion
in regard to the names of our plants than
there was before.

Do unctellif. plants contain juices
which have caused by corrosion? as Narcissus
There are many of these as Scilla
causis, Parsley root &c. Others as well
as the leaves of Ullery - Parsley - Juniper
&c. ~~are~~ regarded as good by accident
They have been gathered instead of them
which have been growing wild or have proved
poisonous - Some few of them
have been employed in medicine, among
which the principal being by accident
which by Linnaeus has been called *condem*
maculatum & *scilla aquatica* as
Narcissus a kind which we have
used - There are a great many others
of them which contain the same
kind of juice

But they are water. Sap of Plant
in Linnaeus's system, some under
of Sap of *Penfandria monogyna*
They are a part of them but those
used in medicine are *Scilla*
~~Thamnomium~~ *Thamnomium*

The effects of these are dependant on
the humors of the matter, not on
if essential oil - The ~~ether~~ mucila-
ginous matter may be preserved by drying
the plant or by a small quantity of
vapour of water for it is a
substance - But is, by infusing the plant
in water & separating the vapour of
water from the whole remainder
nearly solid - Some make an extract
which is made in solution by infusion.



in the first place, & after it by pouring
boiling water on the plant & letting
them stand together an hour or
two in a heat somewhat less than of
boiling water — Then I got the
leaves & root, & I made a decoction
washed in a fluid bath, & a mixture
of a saturated solution of salt in
water — The soap. &c. &c. made to
take place quickly & with an
absence of any pyrexia — Now
the immediate effect when they are
thrown into the stomach in a quantity
suff. to prod. a great effect on the system
is generally acute. Delirium last day.
as to the patient the pulse becomes
fast at the same time — If they are
given in a smaller quantity they
evidently stimulate & prod. great
strength of the pulse & a def. of stupor.
If however they are given in a large
dose & more, they prod. no increased
effect — The effect in this case does not
seem to be on the stomach & intestines
they are not in the habit of being
when less degrees they bring on great
of a pulse & giddiness — I was brought
them one Mr. Requin who was some
days & gradually increased the
the use of one or 2 of these grains.
It appears not unfrequently to some of the
inflammation which the patient has



if there sh^d be already an ulcer in
the gland in it an inflⁿ w^h prod.
good suppⁿ & granulatⁿ. Their
aim sh^d be to make absorption
take place so as to curio the discharges
thence the matter of the abscess
be absorbed & cured — Their disposition
to prod. good suppⁿ in abscesses
cannot be very carried: — Tho' Dr. J.
never put any conceⁿ in curing
the use of them — They have often
been used with int^y & lastly a long
time to avail. The absorption of the
matter in sinuses — in the bones
tumors they have now & then
been successful — This certainly had not
worked while exhibiting them for
curing any of these purposes — ~~and~~
~~they make such considerable effect~~
~~in curing~~ for if we do not cure them
in such glands as to affect J. system
they do not cure — and if we do
there is a chance of destroying J.
action of J. affection of the brain
It is very odd that if we can cure
ulcers by means of them, while
we cannot cure by others w^h do
~~not~~ ~~produce~~ of same danger —
There is curio? Another class
of med. w^h are only employ^d to cure
as their stim^l is too weak to be
used internally — as are ~~many~~
in time depends on a very violent
gentle oil — not the rest of the matter



Quercus is merely Carum & a rather
similant matter | *Asperula*
imperatoria - *Geranium* - *Urtica* -
Hypericum - *Sedum minus* are -
Staphisagria - All these are
crude & only to be used in the
form of oil. - but they are
now laid aside as we have much
better stim. for the purpose.

There are the various stimulants
of the human system - The
stim. taken from animals are but
few & these chiefly from insects - of
these multitudes have but few
but scarcely with a very effect.

The principal or almost entire
stim. we employ that is from
animals is the stim. of blood
which have various juices by which
they defend themselves in pain -
in making them get into the
their strong natures - The pain
of these, are cantharides

Sept. 32. Stimulants cont.

Of Cantharides.

Cantharis is a beetle which is now
& then found in this country but
is not with most parts in common
not in Italy & Sicily - They are
collected by a small net or paper
screen & a good deal of heat at the mouth
of the net is given to drive them in.



There is not in gen. when dis. of some
pretty readily, get put to rest. - Let me
say. Gravidly have expected is, that there
are. After insects which are in these - I
can't attach to a standard point of them
I. feed rather than of ready - so that
we sh. choose such as are whole
After we have much mutilated these
are least, cannot consider in their
object or if they become with a new
Gravidly matter - We sh. be careful
careful also. to buy each parcel, we
whether ^{may} can pl. caution. to wintering
when it is very material and
when there. The want of them often
even for a few hours may prove
fatal. by not preventing of. had. of
of. dis. - Afterward we sh. dis-
them thoroughly in a mod. of
heat for a short time (about 100 deg. F.)
to keep them ~~in~~ in a close vessel
Cantharides contain of. stimulus of power
in the whole body of the insect.
These can place them internally we
may dissolve their stimulus matter
either in water or alcohol - It is
best to dissolve them in a mixture
of alcohol & water - Now they have
been corrected ⁱⁿ internally - In
of. sh. they have been caused a
function because they have a
specific stim. to the rect. of the body
Now it is not the stimulus of the



have some specific stim^s. - but the
use of g. bladder is very rarely
used that they have any direct
effects - They have been also used
externally in certain cases for
some other purposes internally
but I never saw them of any
use - for the action of g. bladder
when put into the blood vessels depends
on their specific stim^s and g. neck
of bladder is like that of animal
trousers - it is to cause contraction
in various parts of g. body
It is not uncommon when we
use them externally their juice
is absorbed for curative purposes
to be used in cases - As far as
experience goes they never do
good either internally or
externally if juice of them is absorbed
but rather - rather and as much
of most can be stim^s to the
infl^o on the skin - prod^s a very
fine singular infl^o which is hardly
ever apt to suppurate - For this
purpose we simply place them in
substance - Some¹ say they have been made
into a paste with water - but it is
both more common & more con-
veniently use them mixed with
oil of rose to form a plaster

at. Someth. it is worth while to
mix a little opium - for in those
who have a pain excited by a
cath., if it takes R. pain, or
Nervin. with. praevenit. of infl.
from taking place - In this case
it is the best way to remove
if. Plethora as soon its effect is
rapidly prod. on the Opium
Someth. we want to keep up the
infl. and then we sh. keep some
of it. cath. in very fine powder
till some aily matters of the
consistence of an ointment &
with opium of the same time; it
is someth. very useful in this
case - and when of infl. keep
a 30 R. a little of this ointment
be applyd; it renews it - for it
may also be empl. after a dipole
in spirit of turk. cath. it acts
a stimulant. so as to prod. such
a deg. of infl. as to be better
constit. it.

and I suppose of some use
in the intestines - The plants being
taken part of the body. The fluids that
come out of the skin, & some in fluids
of the skin, and this is the skin
inflammation - In paralytic cases,
they have some to be used in
this way with good effect -

Of Volatile Alkali

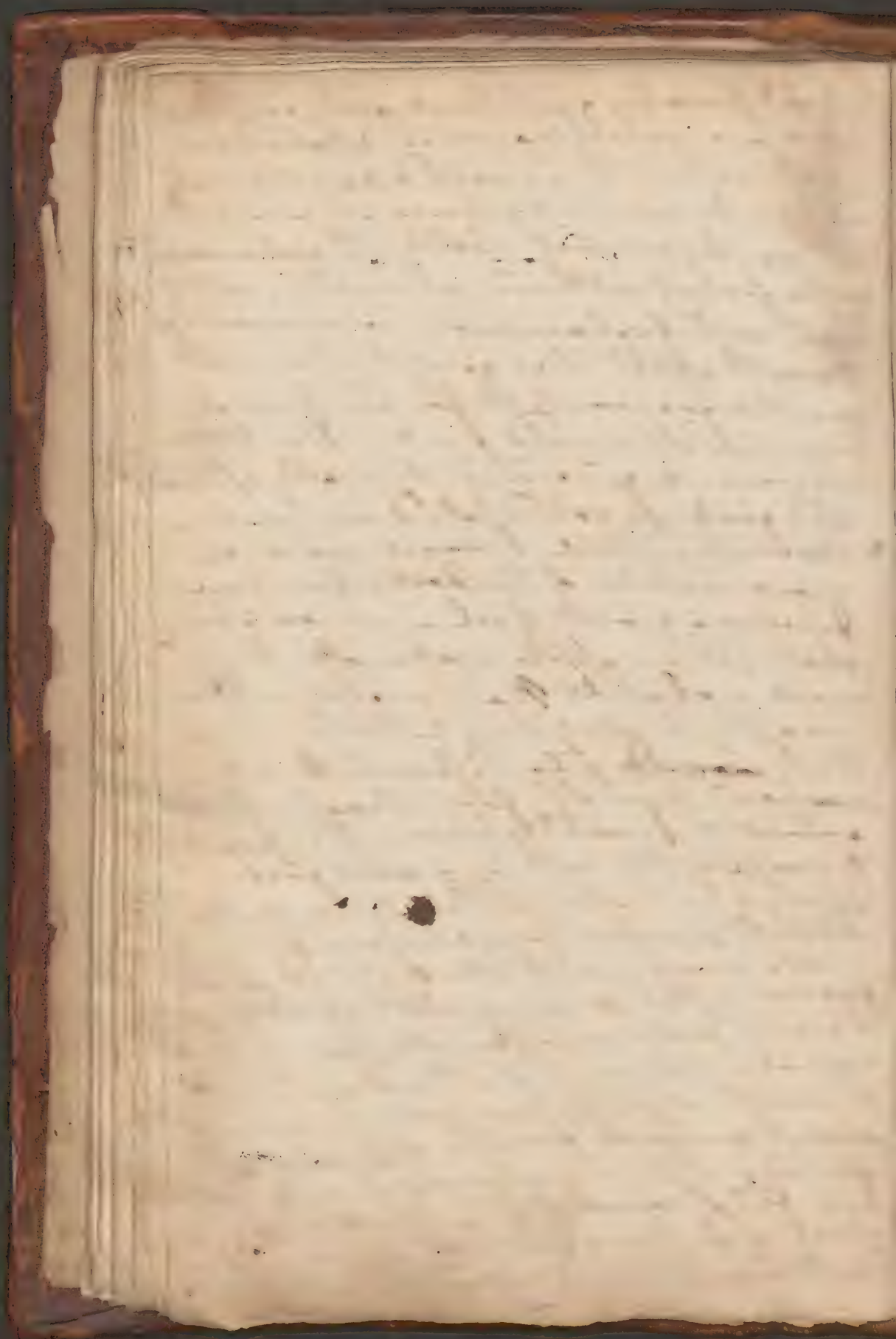
Vol. alk. is procured generally by the
decomposition of animal & vegetable
but generally animal - The distillation
horns or any other part of an animal
by themselves, we proc. vol. alk. very
much mixed with empyreumatic oil
when it is called salt of hartshorn
& combined with gas - It is partly in a
concrete form, & partly dissolved in water.
The sublimate is concrete & speckly
black, & repeat of subliming 2 or 3 times, we
get it at last tinged with empyreumatic oil
& it is then called salt of hartshorn.
If we distil the salt 3 or 4 times, we
get it deep red with empyreumatic oil &
call it sp. of hartshorn. When we
want vol. alk. to act as an antispasmodic
it is better to employ it in the
form of a weak pare - We proc. generally
combine it with mineral acid & subliming it.
We then get a weak pare, & the

* That is, *Gipsies* just at the time of
of exhibition

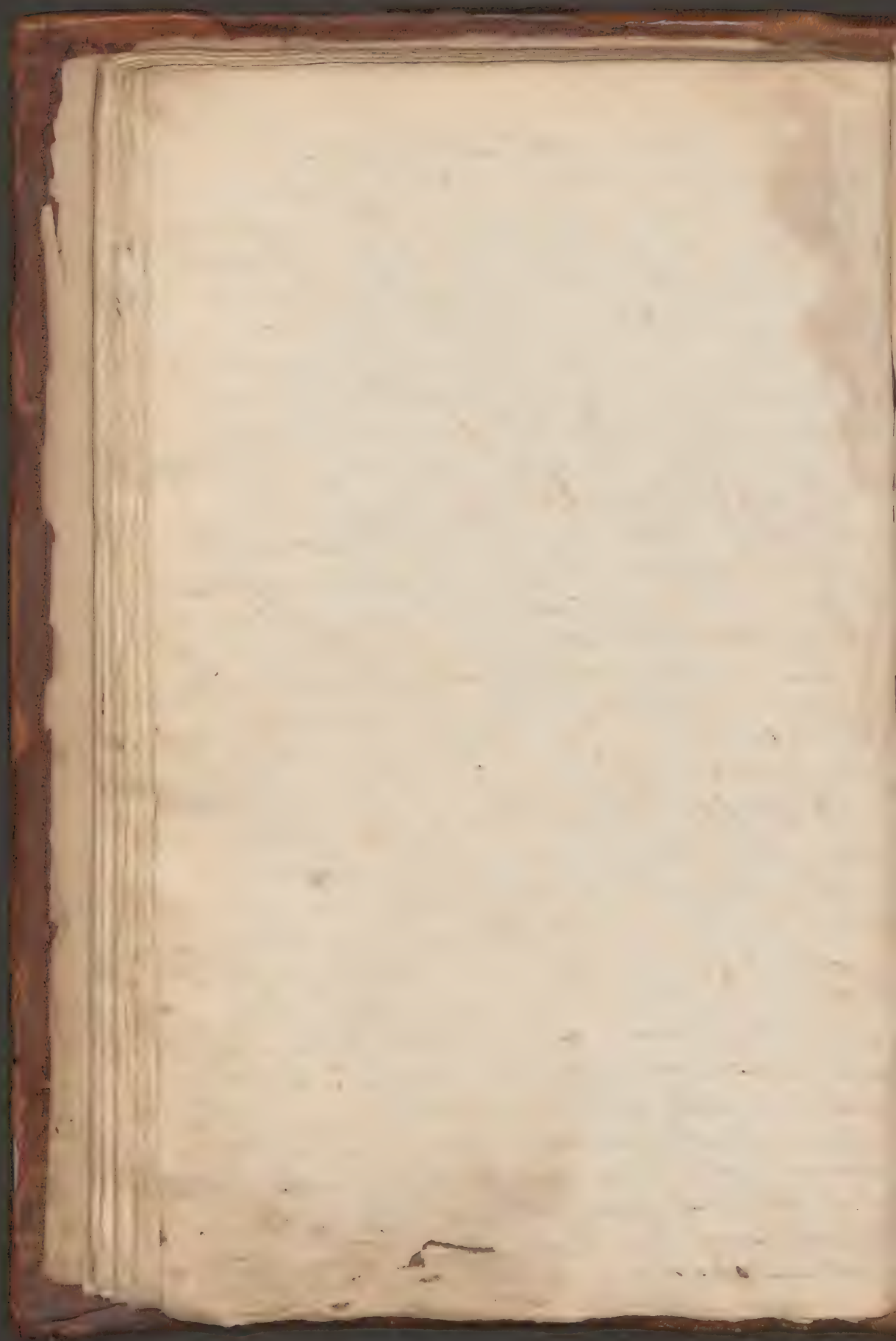
* Vol. also is of a most universal
timely use. - It cannot be
any of the former of J. purposes for
which it is intended. in J. part
and, either to promote the digestion, or
another they are, agreeably
to keep up the secret of J. intentions.
or in various of J. interest

...? June by guidelines only in the
case we must have it dissolved in
water, when it is called *laetitia* only
... Or we may have it counted
... gas, by mixing *sal* with *expl* ...
... performing sublimation when it is called
... salt of sal ammon. commonly
... applⁿ. it is only best in its
... form. but for internal
use, it is mild ... This better
... we give it internally of the
... give of salt dissolved in water,
... than otherwise, because we are
more certain of the dose - for if we
dissolve a quantity of *sal ammon* in
water, it is apt to evaporate, being
more volatile than water - If
we apply it after it is better to mix
it with ~~wood~~ oil, we prevent its
evaporⁿ, & part of it forming vapors
entangles & *sal* ... This prefer^d
to display the salt in a solid form.
Dissolved in water at the time of the
... or a few hours before it.

We may use it after it in its crude
form - This so many hold of it, but
it may soon evaporate for in the
reason we mix it with oil, which is
... & partly forming soap, using
about an equal quantity of oil & salt.
... in water ... of oil ...
... of some of the ...
... of the ...
... to help ...

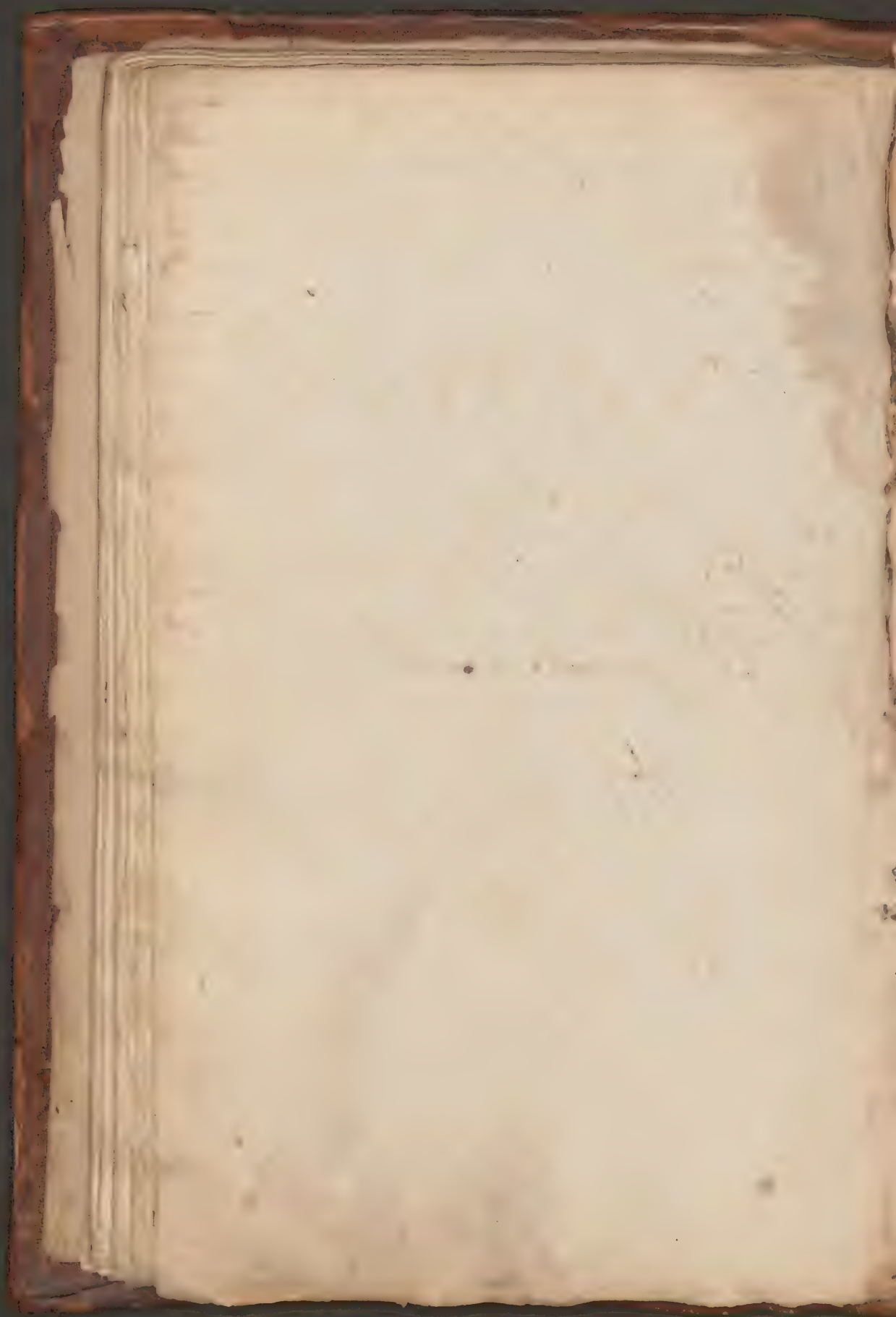


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Vide No 4



Geo. Mathew.

Lectures
on the
Materia Medica,
By D^r Geo. Fordyce.

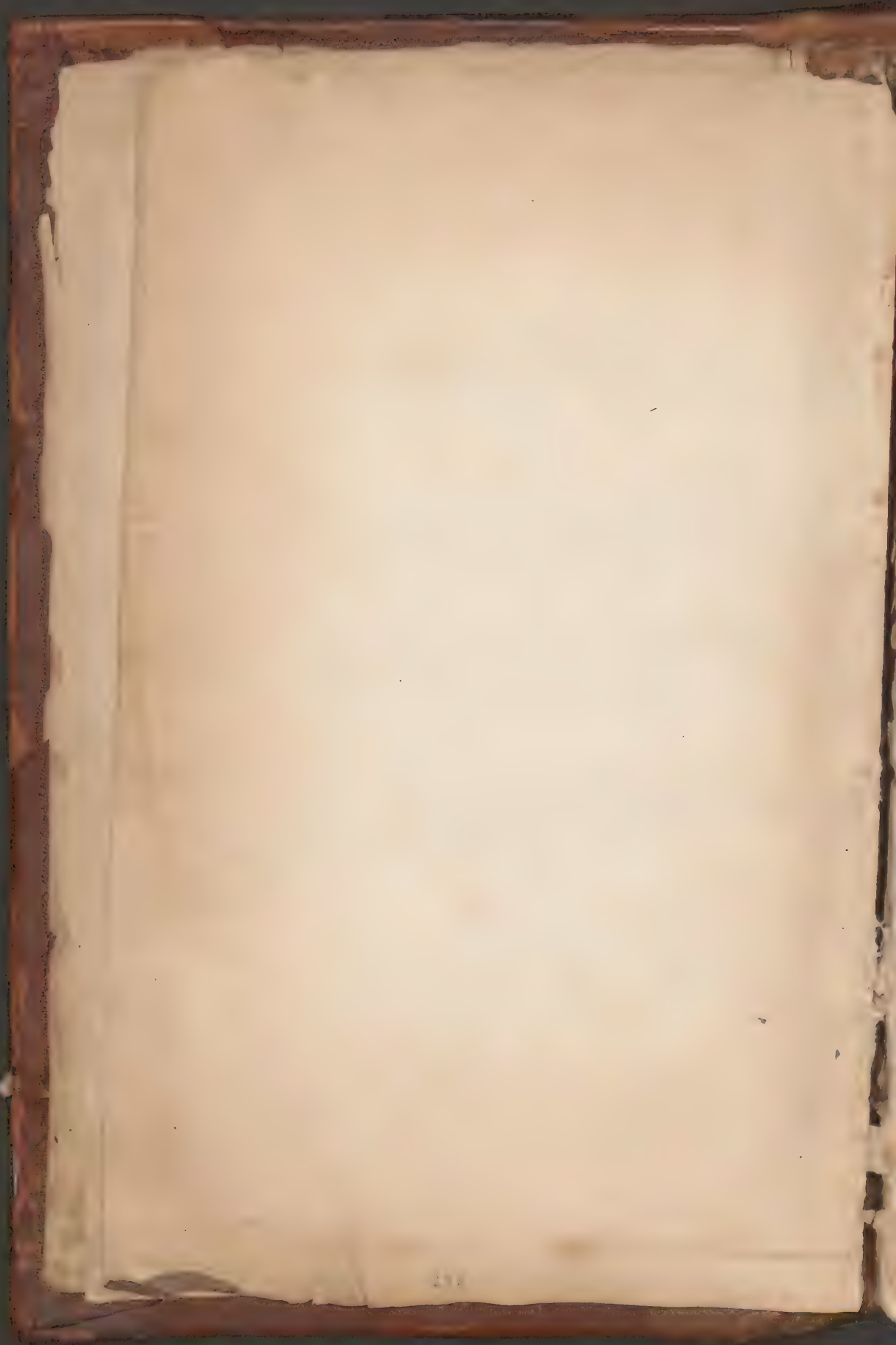
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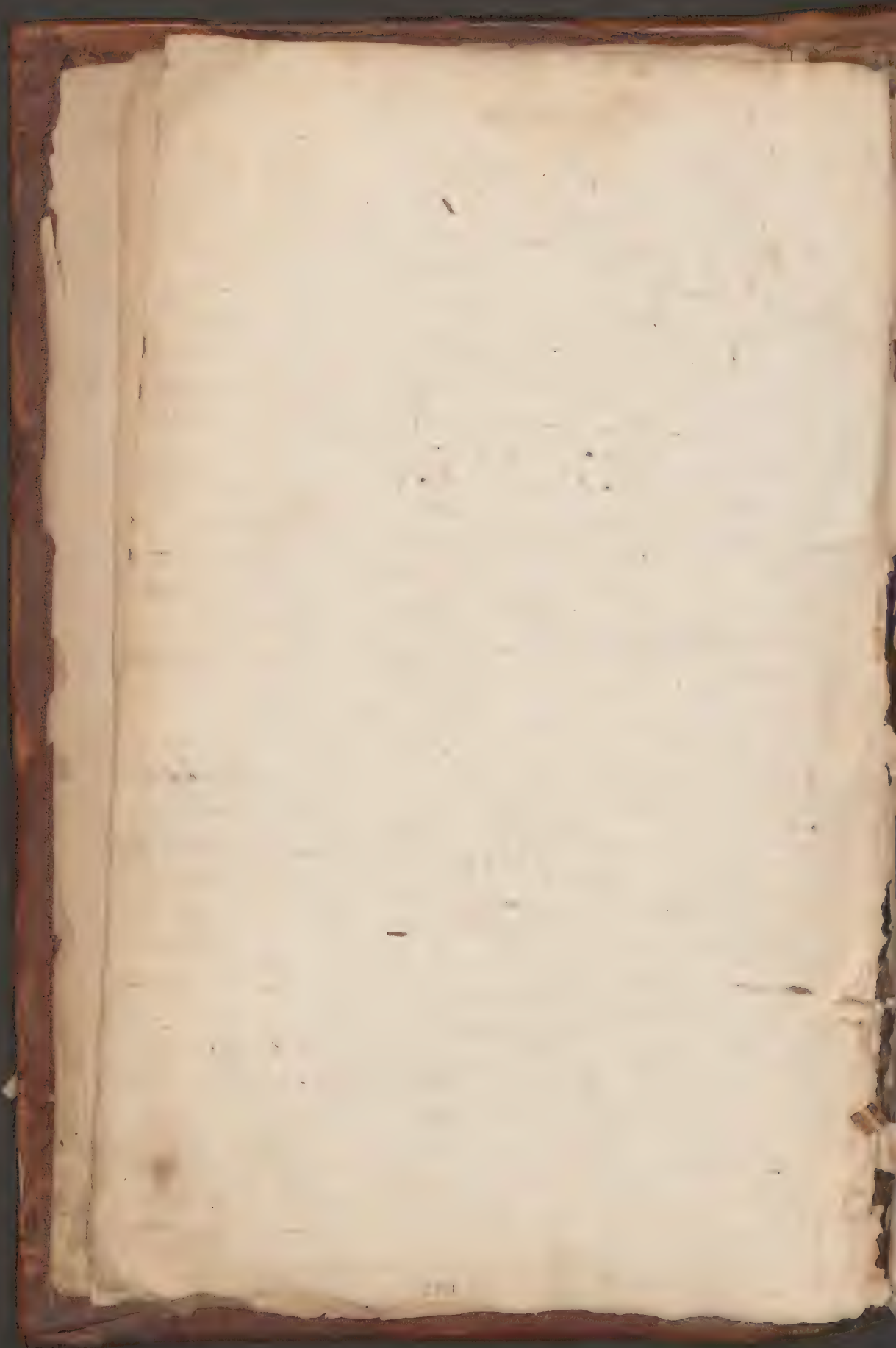
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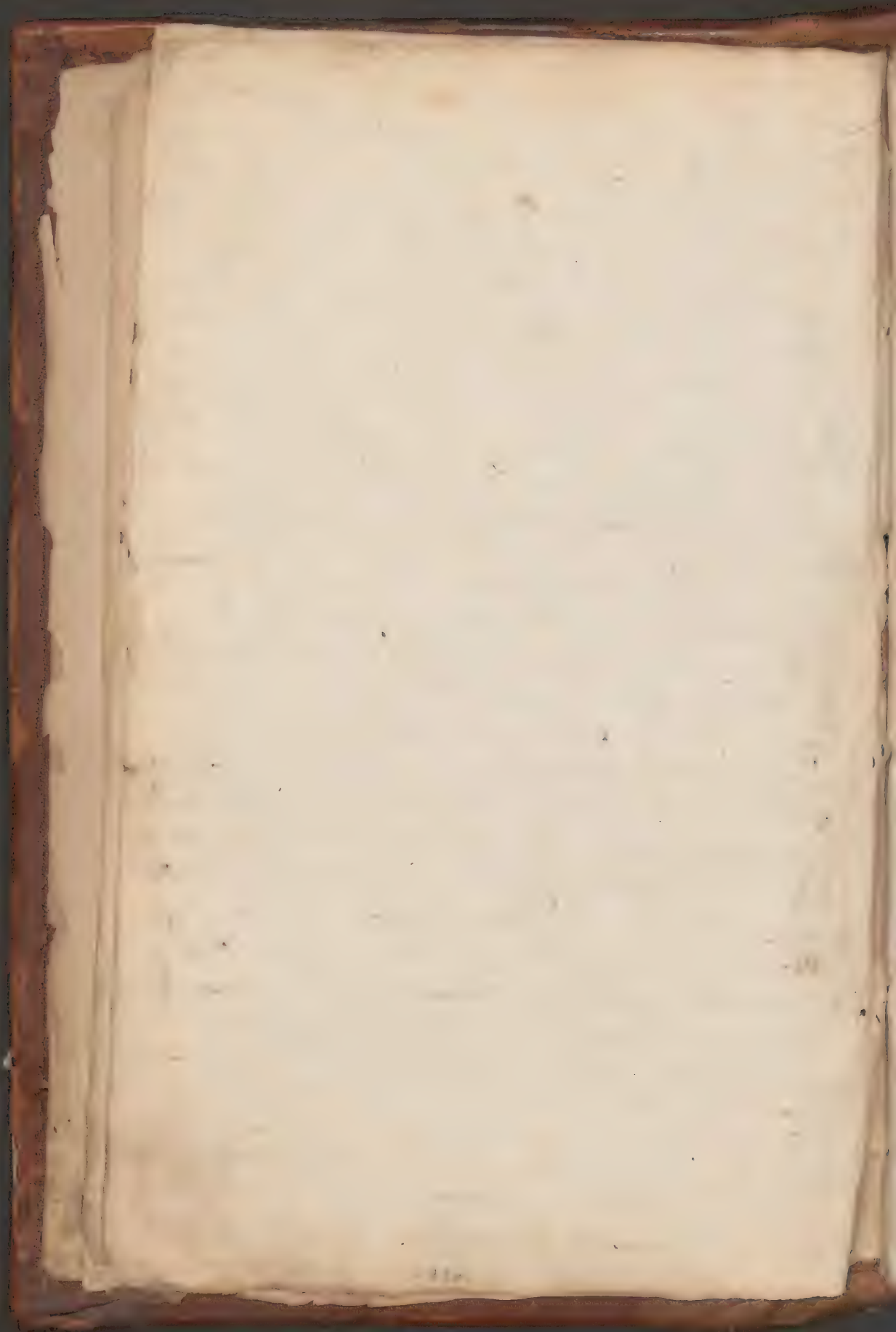
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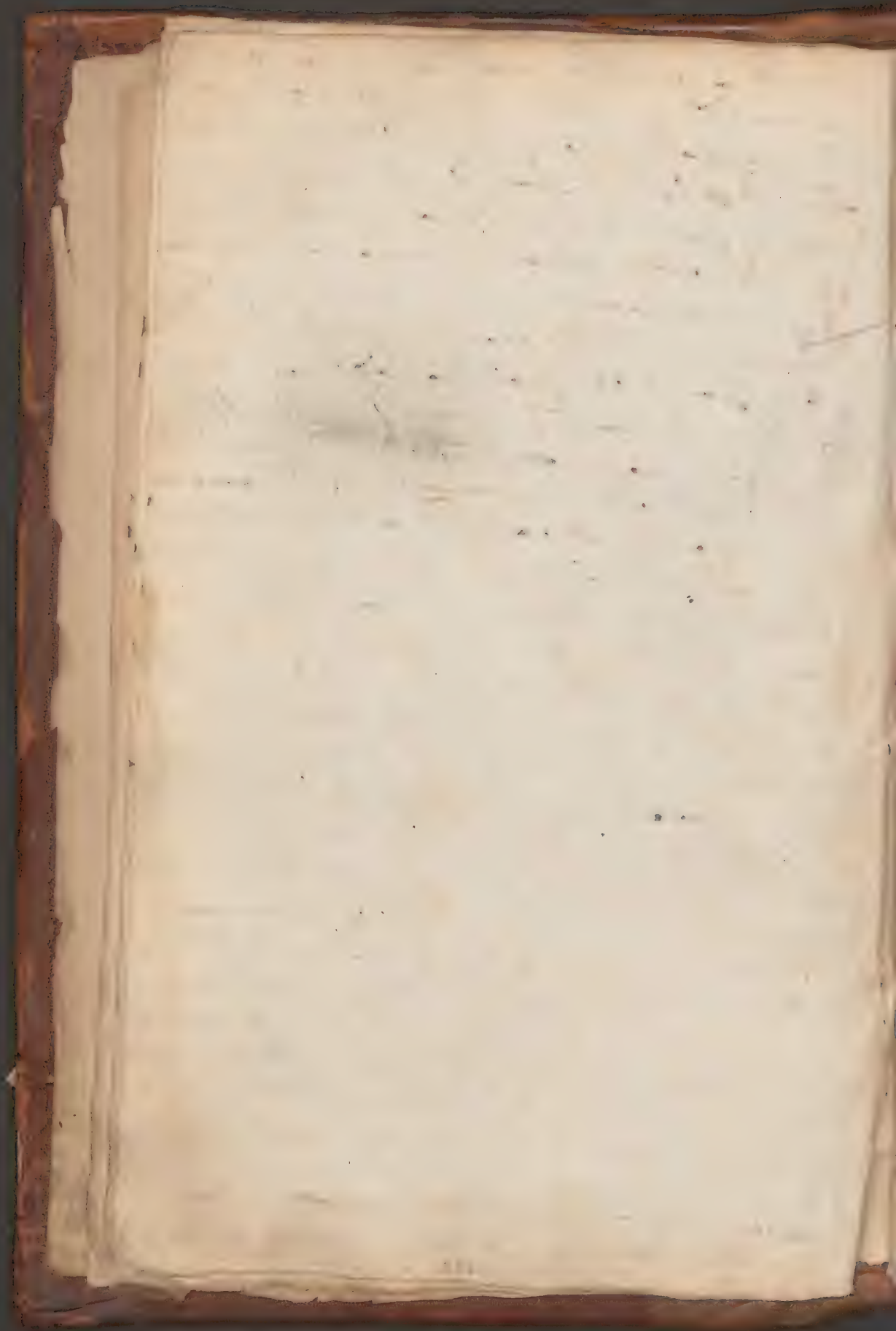




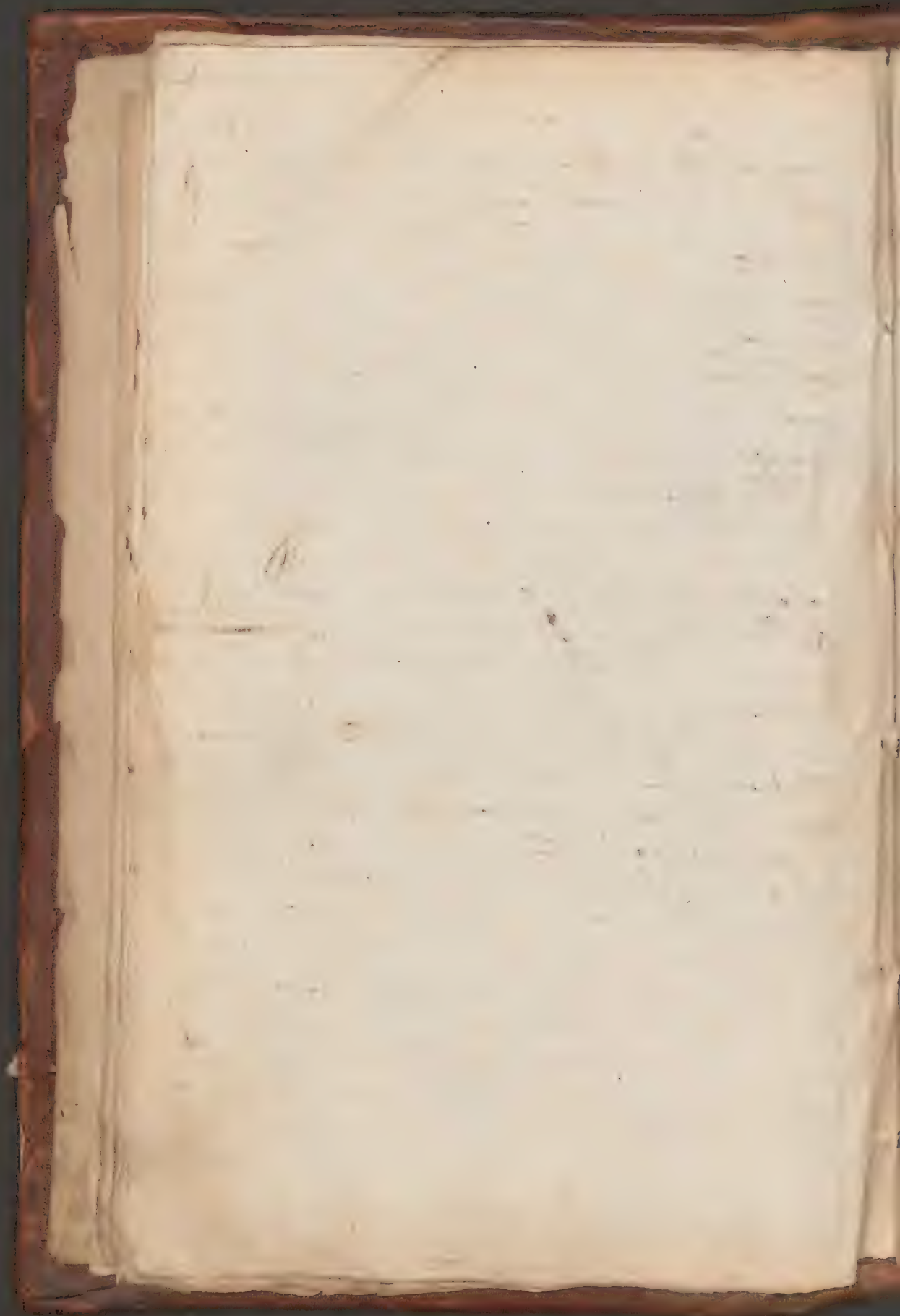
Resin is thus melted down for
use, as well as in other applications.
One apply it externally after having
rubbed it down with some balsam. It
is necessary to dilute it with an appropriate
oil, & should be just fluid in the heat
of the body - but solid in that of the
atmosphere - Ray's Card is another
prescription for this purpose - One rub
it down with Ray's Card & some mixture
of balsam it may be sufficient divided
into 4 or 5. & difficultly except of Ray's Card
is to be applied 2 or 3 - Now if only
one place has the Ray's Card has been
applied alone, what to avoid the
smell of the balsam - but if it is
disagreeable is produced by its rapidity
nearly dead - whatever we rub it
down with we must take care that
if necessary disappears so that none
of it shall be visible to the naked
eye - nor even to a moderate magnifying
glass must also take care of it. But
we rub it with ~~the~~ does not rub down
it, & particles will eventually
thus simply by division increase
of more active - It seems
singular if resin in very small
portions should prove active when it
is not so in larger ones - Many
suppose of many kinds in this case
calcin'd, or somehow changed & then
but if the only matter & the



It is a gentle heat or it is a
mild heat. matter of me depends
it is made so as to melt the whole
fluid & let it stand. If mercury
will fall to the bottom with some
attention what is more simple
is, of mercury rubbed down into
small particles by rubbing it with
a dry powder, has hardly any
effect. It has been mixed with
this mass of sulphur. It has been
called a phospho mineral. It is
continually called a phospho mineral.
The calcareous earth - mercury.
Chalcidatus - & some of the other
parts of them, there must be some
but it is not made in 20 years
of they have any effect. The
calcareous ^{earth} sulphur or solution of some
name ~~the~~ peculiar effect - but the
mercury mixed with them has
hardly any - Mercury is pure and
active in the metallic form.
The calcareous are also active - the
1st part is calcined by heat. We
get more in a flatness in a glass
it will give it that strength to me
it simmers gently if it be exposed to the
air, at of some time, it will be
making of mercury, and
calcined into a red powder, cal-
careous, iron, per se - were -



This is a white, but somewhat
in a yellow, as it has been different
in part - Formerly the whole
of it was prepared by one person
in London and then it was
used in its state, as any man
could. - But since its operation
is so good, his made of it is
cost - & it has been prepared in various
ways - When we find it in
little pieces, it is much better
than when in crystals and when
mixing it with a glass, it is a light
color, its very active nature
is so dark - It is much better
in a real it is converted into a
dark blue color - This color is a true
kind of diff. of each of it has been
its length in use - Indeed it does not
seem to be material of diff. from
more color - It is much better
also be called by, dissolving it in
an acid, precipitate by means of
an alkaline carbonate. -
A mass of diff. colors may be
produced in this way - but being
very uncertain in their spirit
almost all of them are found
into disorder -



Simulant cont.

Sub. 17th

Mercury cont.

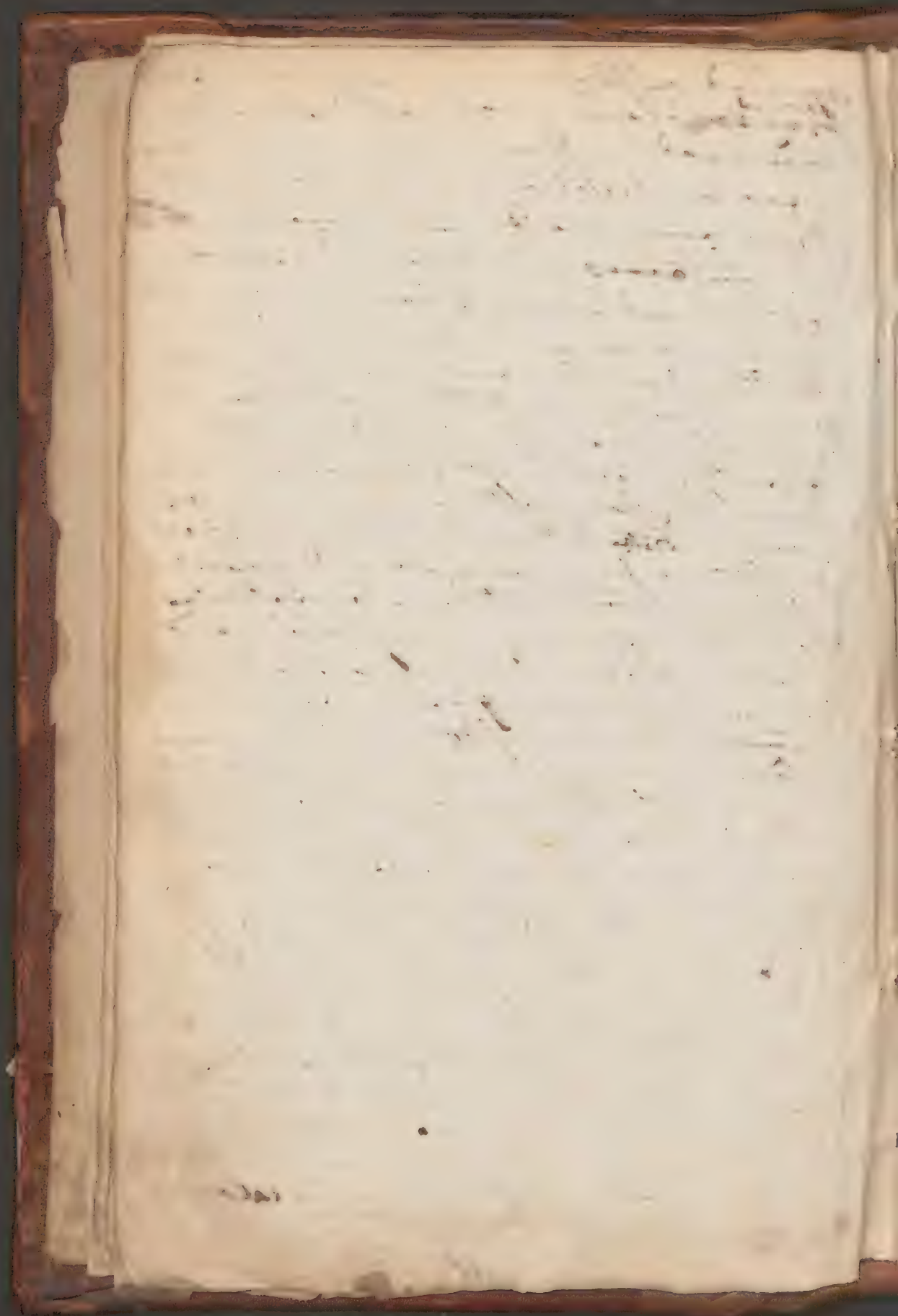
The remaining part of morning
Mercury is displayed, & about 10. The
which acid - This is put daily boiling
the mercury in a glass vessel of the acid
together - After they are separated, the acid
is poured out, leaving much of the large
quantity of water becomes of a yellowish
color, & is called the vitriol. Mercury
is combined with the spirit of acid, & is
forming a white color, however when
mixed it is readily decomposed. The
amalgam, yellow of the juices in cold
water, it is a colorous & soluble
color. It is exactly of same as if one
is diluted so much as to be visible.
Hence to the the salt combined formed
by f. corn. of mercury & vit. acid
which it red. hot, it looks of a red color
& has then been called mercur. precip.
rub. or mercur. corros. rub. This precip.
can only be used externally. If
we take the salt of mercury formed
by f. union of mercur. & f. acid, & dissolve
it in water, and of one
take for 1. r. f. alb. - & dissolve it in
water lib. 1. & pour this solution
on f. of mercur. & f. of mercury &
recip. some - in a white, & some
in a yellow powder. Hence from
water & with this precip. with

of the salt about a 4th part of
the mass is a soil

the water 2 or 3 times per day then I find
the medicinal acid the water is
from a salt. I now call this acid
mercurial (a) — this salt has some
of the same properties as the medicinal
acid. I have used to make the water
with mercury — for if you mix
mercury in so small a quantity it can
hardly be found by any chemical
process — You take the impure mineral
I mix it with a little more than an
equal quantity of sea salt & perform a
sublimation of animal acid similar to
the process & the compound sublimate
is what we call corrosive sublimate.
You mix corrosive sublimate with
1/4 of the weight of mercury & sublimation
them together — then take the sublimate
matter & rub it in an iron mortar
of all the of hard matter as much
together & perform a 2d sublimation. The
crust of the superfluous mercury sublimate
a 3d time we unite the corrosive
sublimation by this means with the
mercury & form a compound called
calomel — You take any calomel
mercury & digest it with concentrated
acid of wine for then unite together
a loaden a salt. It has been used under
the name of Herber's pill — There is
a salt of mercury that some mistake
for calomel — Mercury may be mixed with
sublimation either of animal or vegetable
nature in various proportions

a. l. mas. gult. may be made also
by precip. by mixing a solution of
sol. th a sol. of mercury in J. vit.
acid - It has been called ~~mas.~~
~~precip. alba~~ corrosive -

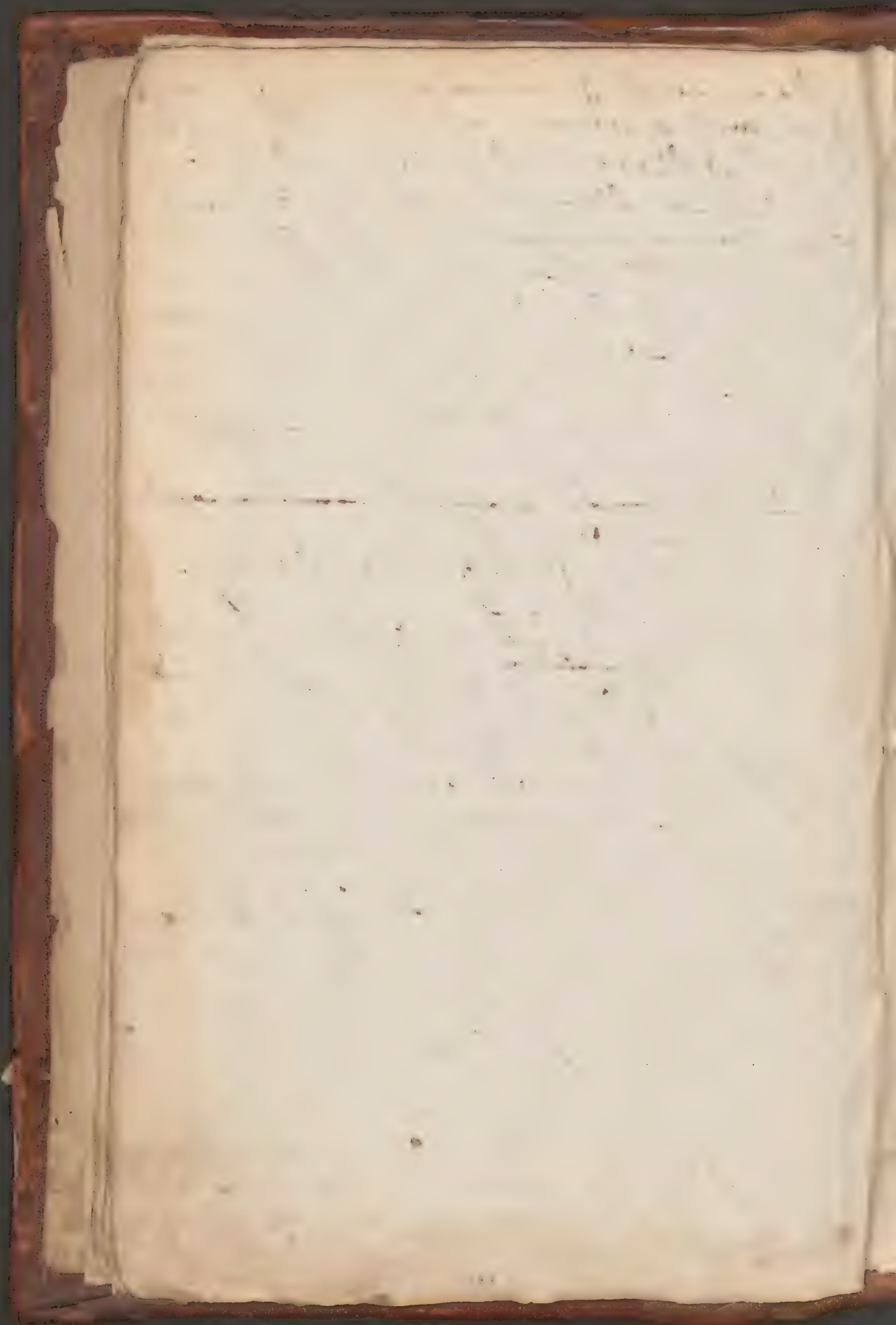
sublimed sulphur, & it is of a black
forms ~~from~~ black snap, called a black
mineral - It is sublimed then may
it forms factitious in nature - Or
if we mix crude antimony ~~with~~
w. contains sulphur) with copper
subl. it sublimes, & forms impure
antimony as it has been called
All these have the same, & except in the
force of vapor, perfectly inactive
in nature has the same, so much
advent in the state of the throat, in the
force of vapor, but the action is a little
more ~~active~~ internally it has no effect
except there be a suspension of acid
sulphur, when it acts as a precipitant
The precip. of mercury may be divided
into those which are truly effluents, & those
which rarely have any effect - or perhaps
~~none~~ it is clear if those w. have
 seldom any effect, ought never to be
 employed - Others, are necessary
 with a dry powder, as with nitre - with
 antimony - more alkalies, & more
 caustic with acid & more
 The certainty of effluents precip. for
 acids by means of alkalis or quicklime
 should make us reject them
 The other precip. may be divided
 into such as are with difficulty soluble in
 water, & such as are easily sol. in it.
 The former are more calcinable - may
 be sublimed down with some mixed fluid
 into small particles - and ~~calomel~~
 of calomel - the former is the best
 or the best of the two



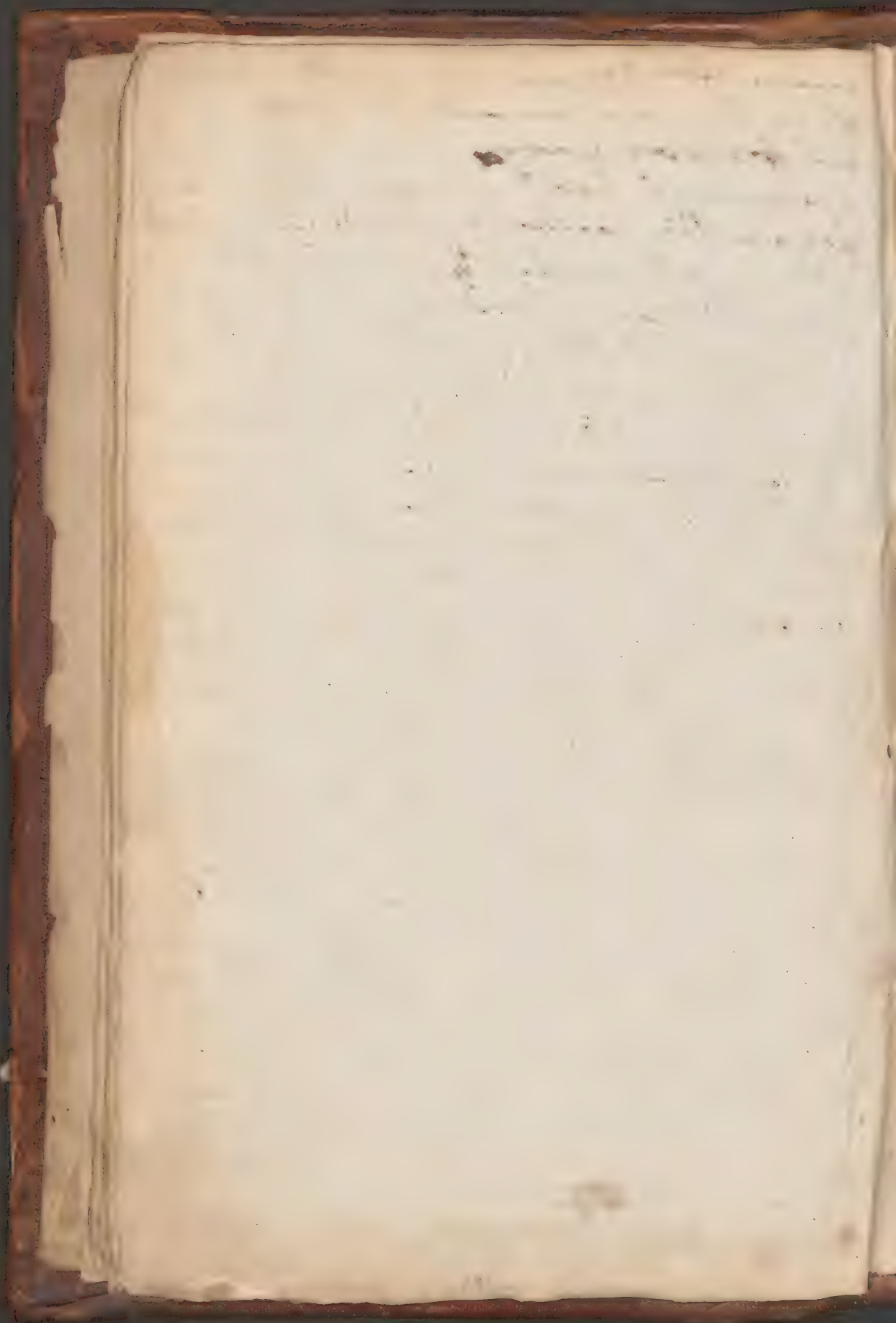
Now, w^{ch} I. m^{er}cur. m^{er}cur. (a comp^o
of m^{er}cur. & s^ul^{ph}. acid simply, all
of wh^{ch} of these subst. corros. subst. but
the s^ul^{ph}. may get into the b^ody & slip
they have a m^{er}cur. & diff^{er} effect on
the m^{er}cur. & s^ul^{ph}. m^{er}cur. & s^ul^{ph}.
stimul^{ant}. These m^{er}cur. & s^ul^{ph}.
subst. & the s^ul^{ph}. will w^{ch} s^ul^{ph}. m^{er}cur.
subst. m^{er}cur. & s^ul^{ph}. but in q^u. of b^ody
they all prod^{uce} the same effect
iⁿ the corrosive m^{er}cur.

~~Mercury prod^{uce} 2 effects on the s^ul^{ph}.~~
Of the Effects of Mercury.

Mercury prod^{uce} 2 effects on the s^ul^{ph}.
1st Motion & ~~stimulation~~ ^{stimulation} of the s^ul^{ph}. as to prod^{uce}
hardness, fulm^{ur}. & s^ul^{ph}. of s^ul^{ph}. &
s^ul^{ph}. & a dep. of s^ul^{ph}. & s^ul^{ph}. & s^ul^{ph}.
s^ul^{ph}. as to s^ul^{ph}. & s^ul^{ph}. The s^ul^{ph}.
is hard & soluble in water & s^ul^{ph}.
most apt to s^ul^{ph}. The s^ul^{ph}. - The
s^ul^{ph}. of mercury have a quicker effect
than s^ul^{ph}. but the effect of the
s^ul^{ph}. is s^ul^{ph}. in water & s^ul^{ph}. & s^ul^{ph}.
s^ul^{ph}. & s^ul^{ph}. in the s^ul^{ph}.
but in all other cases in s^ul^{ph}.
is used as a stimulant. Mercury
general makes a very rough
vacuumant - Mercury is a s^ul^{ph}.
to s^ul^{ph}. of the s^ul^{ph}. & s^ul^{ph}.
smaller perfectly - we s^ul^{ph}.
of the s^ul^{ph}. & s^ul^{ph}.
s^ul^{ph}. & s^ul^{ph}.



were for the same cause - but
if we say we remove the cause - the
rest ~~is not removed~~ the water - the
mercury part of the causes of the
disease on the contrary the disease is
the more certainly when of the
nature of the disease - the effect
is a better for all purposes to
simply merely rub down with
some mixed fluid, parting two parts
of Calomel with sulphuric - or more
calomel or calomel internally.
These 3 have very nearly the same
effect. But we can proceed in a more
thorough manner of more easily. No system
the rubbing it is absorbed from the
skin - the this purpose it is more
or we have said to dilute more
rubbed down with the purpose of
of sulphuric or Calomel - the
quantity of mercury we can give is
given in this way is about 20
grains but we may apply a dose
for 4 hours at once - the simply
rubbed down with a mixed fluid
about 15 grains in 24 hours is a
moderate dose - but then we may
repeat it every day - the same
more calomel - about 10 grains in 24
hours may be used - the mercury
mercury of the Calomel 10 grains in
24 hours - if the salt can be given
will about 10 grains in 24 hours

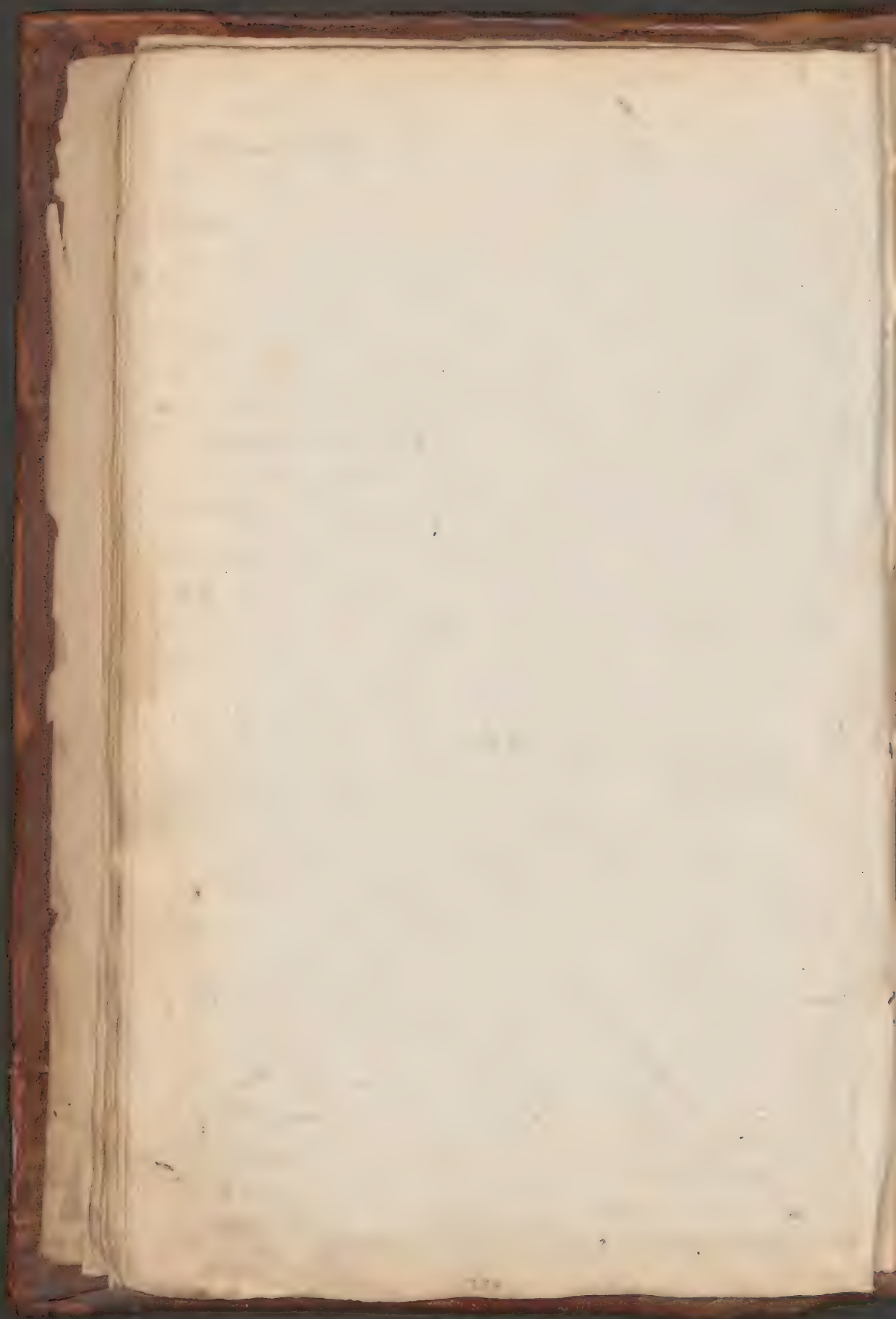


But in all these cases we will
begin with smaller doses than a
moderate one, or small dose
gradually increased, until we
find it produces effect. Because
diff. constitutions are very diff. ^{ly} affect.
by the same quantity of mercury.

Mercury is in general thought to
be the cause of Hydrops. But - I have seen
Hydrops occur without it - The system
we do not know - you are to
consider of. you will find it is sufficient
to supply it in such quantity as will
be given some small dose. of course
to the mouth or a small dose of
saliva or juice of y. pearle - or with
either of these remedies if its action is
new & abrupt. Begin to diminish
use of it, we have seen it do it a
sufficient length of time - The use of
it to keep constant a month that led it
as to act of mercury. The system
then kept by itself it is sometimes
does a great deal of very prudent
sort. It is a week before we come
to the quantity of mercury. can then
if much is not to be included in
the month and then if we are
to give it in all five weeks,
it can be still of benefit of the
dis. Disappears - I have seen
some conjunctures, the period of
action. In the case of the same

I must be remembered it is
ancient unless it is rather prejudicial
than of any service - but in almost
every other case of it, it is necessary
in a case of good supply
I believe of it, which in consequence
of being it is in a better position
than it is at present.

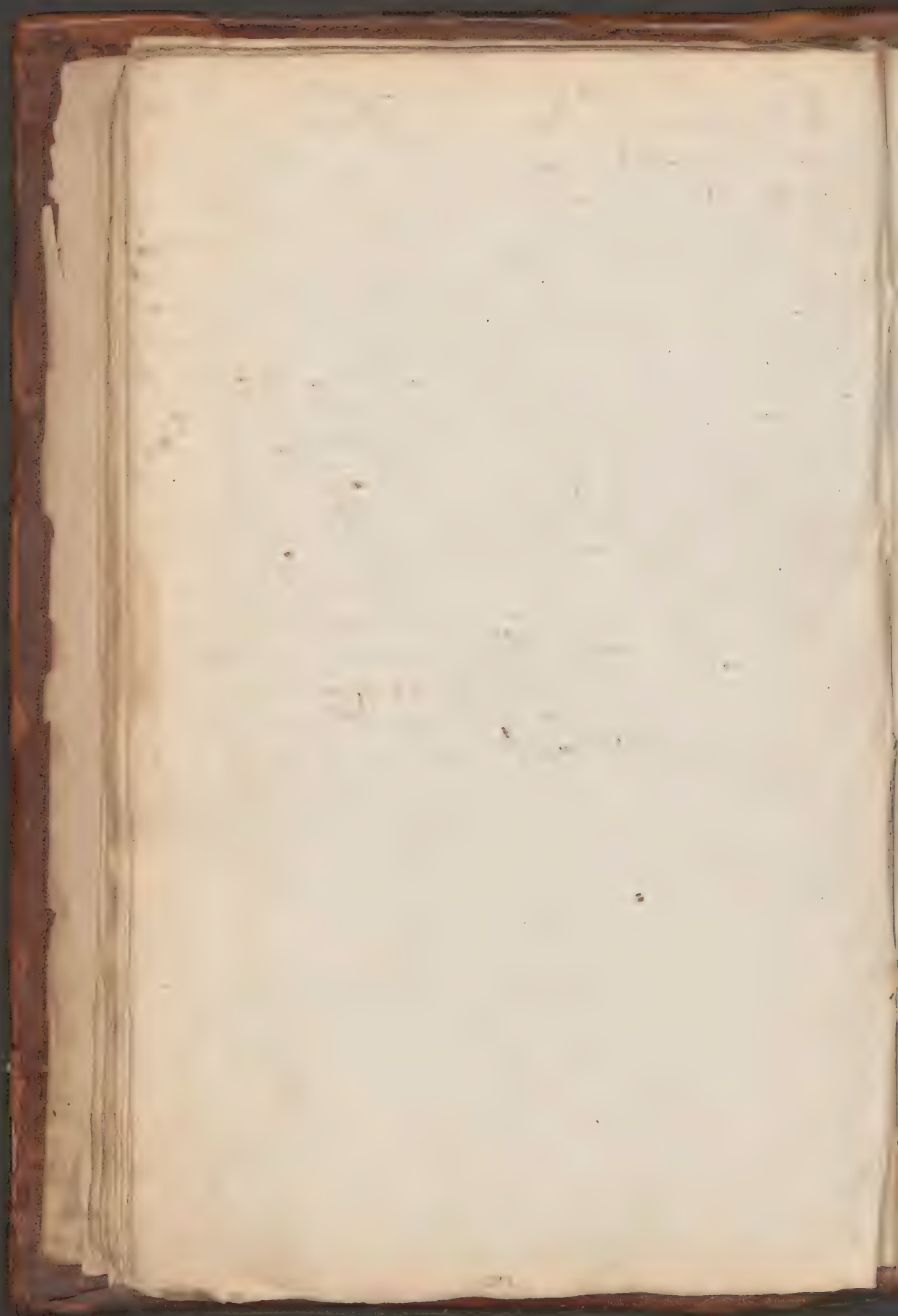
dis. - but they are all so near closed
 that none of them are even worth
 taking notice of - - ~~It is~~
 out of the stimulus & a new inflam.
 one - & new similar to recent cutis.
 It does not blanch, if, system whole
 in the skin but when it gets into
 the circulation - It can not be removed
 for any of the purgatives & it is
 more difficult in effect. By the nature
 wide - I am not in obstinate government
 crude mercury has been used so as
 to force it to force forward the
 fungous matter - I am not sure that
 much much to this as it may do
 mischief for it will not only set
 up the inflammation when the congestion
 of the cutis in cutis & obstructing
 the lymphatic system & if I should be
 in any part of the lower extremities
 upwards, swelling will rather precede
 the passage of the blood than prevent
 it - The infl. mercury has been
 used to forward supply - In the
 case of the very dangerous inflammation
 is running on slowly - The
 inflammation has been exhibited to produce
 the inflammation & granulation of the
 for as it is very dangerous
 the little infl. will rise on the
 surface of the skin in cutaneous eruption
 more - as a new disease & remedy
 is of great & different degree little
 and less of the same in form of the



at the same time tend to increase
the moisture of the skin, so as to keep
the skin soft. — Marc. has been
much influenced in his system
inwardly and outwardly. — Indeed some
people have used it in almost every
kind of effect in these incurable but
often means — In a number of cases
it is a very powerful remedy, especially when
it is attended with z. i. — It produces
some kind of action of the system
as a natural cure of z. i. —
It is the most powerful & efficient
stimulus we can use in any of the
chronic circumstances — It is not
useful in any spasmodic affections, & it
is especially improper in any case of
stupor — palsy — apoplexy — ecchymosis, &c.
In palsy & ecchymosis it is also improper &
there is any disposition to mania.
In all these cases we shall be more
careful not to employ more of it than
indicated by the action. It is a powerful
remedy — but there is no standard
could we exhibit it in the
cases, as it has in many of the
cases of mania & mania — It
has sometimes had a good effect in
the actions of the system — and
in the cases of mania — It is not only a powerful
and sometimes powerful stimulant — It
has been used in the cases of

(It is a powerful purgative in Asthma
in the bowels, it is surely of only certain
remedy — of the —

stimulant, promotes a copious flow of
the digestive juices, has been used by the
ancients in cases of system generally, &
more frequently has been than in
indolent cases - In other tedious
cases, it is often more, has been
to occasion a profuse sweat, but the
effect is applied & has so much
efficacious - It is also a powerful
emetic - It will not act if given
in large doses, as a purgative, and
in this is it is usually off by
with the salutary effect. It may be
given in small doses of calomel
or ipecacuanha in 24 hours, so that by a
little time the action is
often powerful effect, many
of the best effects - Given as a
it is a very valuable medicine, & not at
all adapted to use in any case.



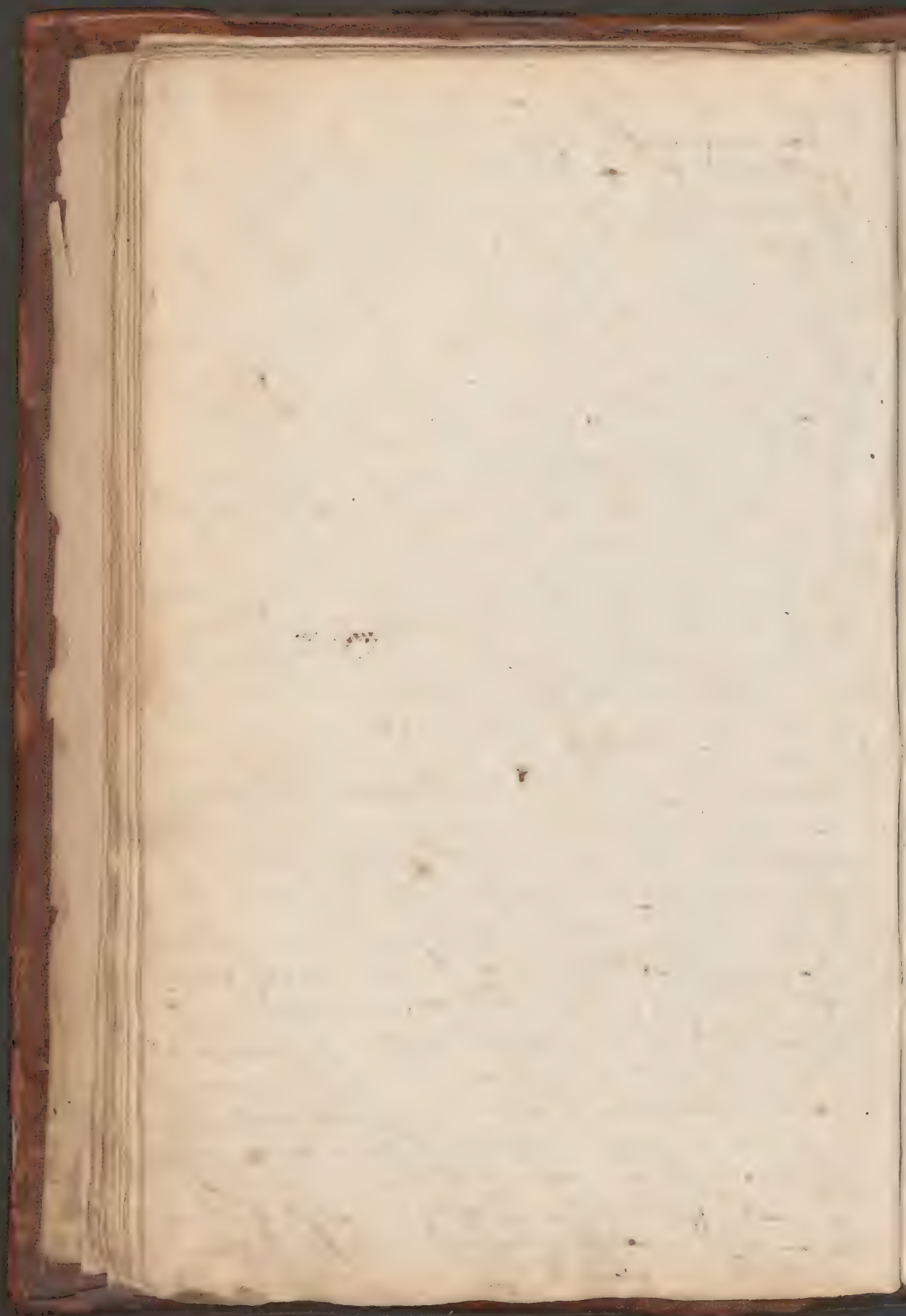
Sept 35th / 1822. Waters.

Id. are such med. & id. in
of action for a part of the body,
and being it entirely to rest. There is
this diff. to be. Id. & inaction of med.
which med. to be. Id. power of action
action in a part, so as to render it
incapable of acting strongly. But odd
while the body is in a
state of action strongly, diminishing its
action, rendering it weak, & its full
force. But it is evident if in
most cases where we want to diminish
action, we wish still to have the
body strong & healthy, we prefer to give
it a weak med. when we wish to
diminish action. If then we wish to
diminish action, we wish to have the med. be
able to take off the force of the med. &
variety of weak, where there is too
strong action, with the ability of
leading the patient in perfect health.
But unfortunately we get one med. and not
another. Besides, their action is
not very powerful. — It is but in
few cases of Id. that we are ever
afflicted in med. — That it may
be even for a period what med. we
shall call odd, there being no med. called
odd, & they come & diminish by the
use of Id. & we shall announce
as odd, as tea & coffee. — Coffee is
odd of a tree which grows in the
Arabia but has been cultivated in

^a My leaves themselves have neither
the nor small, but a quality of
inhibiting if. I have not found otherwise.

181 Tea is scarcely used in France
by the Natives but is generally
G. M.

part both of J. East & West in the
Lee counties of J. leaves of a shrub
gathered for J. plant perhaps of some
species of *Diffusa* in the part of
J. age of the tree are gathered in the
climate, or soil in the *Diffusa* - They
may probably have been from
the Lee counties has not been mentioned
as that is called green tea is for
flavored with J. flowers of a shrub
which has been grown mostly in the
East and diff. flowers are given
to a J. of the kind, probably by diff.
flowers - These plants have come
into universal use in this country
indeed all round Europe - It has
been very much a question whether they have
any power at all of acting medicinally
whether using them in an infusion
was more ^{beneficial} than using them in
warm water? - Some have
conceived as they have some
anthers of a shrub ^{which they are} they have
known that neither of these is a
means of cure - But as a remedy
has been used so as to induce faint-
ness it is evident that a decrease of
irritation at the same time could be
very strong had been in the way
in all cases I sleep - They are used
in the morning, as they have
J. heat of. remains of any kind of
J. small quantity of mercury and J. of
principles which J. of the kind
into the blood & there is no



of the same species, but the root
of the stem - They also were to be
of the same species, but the root
when a large quantity of the same has been
used, they have become so, and the
succulent ~~the~~ parent the had effects
of it.

Tarsaparilla is J. root of a plant which
has been called by Linnaeus *Smilax*
arseniparilla - It grows in the West
Indies, in the Spanish part of America
altho' it will grow also in a colder
climate - It is remarkable for its
root, for a hard, & forms in roots at
J. bottom of the stem, very long, & is
it hardly branches at all. Indeed this
distinguishes it from a root of a *Polygonatum* which
grows in Canada, & some of J. more
northern parts of America, and which
has sometimes been imported instead of
it. But of course, branches much
more, & may easily be distinguished
by the things. Under J. root of *Tarsaparilla*
has 2 edges, & the other is round.
Tarsaparilla is a plant whose virtues
have been very diff. caused. - First
said it was enough to cure the
menstr. dis. There is no plant known
with which it has produced ^{the} effect by itself.
On using mercury comes the length of
time; it often happens of J. Indre face
small, fast, & hard, with a considerable
quantity of J. system, with a considerable
exuberance. But a long - some of the

(as the same effect takes place in }
the use of gent. guaiac. &c. was also }
enough for the cure of the ven. C. }

*M. G. J. Parenteau Esq. Vice of the
Boarding School at New Bedford*

and more than the others except the
Sartany - It was formerly the gold, native
of the Chinese & even the gold of the
gold - The use of it is rather rare
in showing it like tobacco, it
is used ~~and~~ it has some medicinal
properties - The same plant
was found in Canada, & is now
imported in carriages, from the
Himalayas - It is a plant of great
value, & is so large, yet it is sold
at a high price - It is about 20
in China where it still grows
thick in the stems - We have not
been able to find it in the
country, & it is not at all
common at all in the country, as a medicine
it is not used - The
sedatives have no kind of action
Lett 36th Tinctures cont.

The simplest of the tinctures consists
of acids - These form a very small part
in chemistry, agreeing very much in
properties with the acids, & still more so
in the use of them being no different in the
solution in water - Some of these if
require a quantity of water to
dissolve them & may be thrown into
the same in much greater quantity
as to get into the water & the
it is as hard as the water of the water
as sedatives they have no effect
in the effects - The it has been found
to be a medicinal use

1/4 Chronic g. i. has pretty low color
nearly pure

6. H. urticaria acid is green
in such cases, dilute with 6 times
of acid water

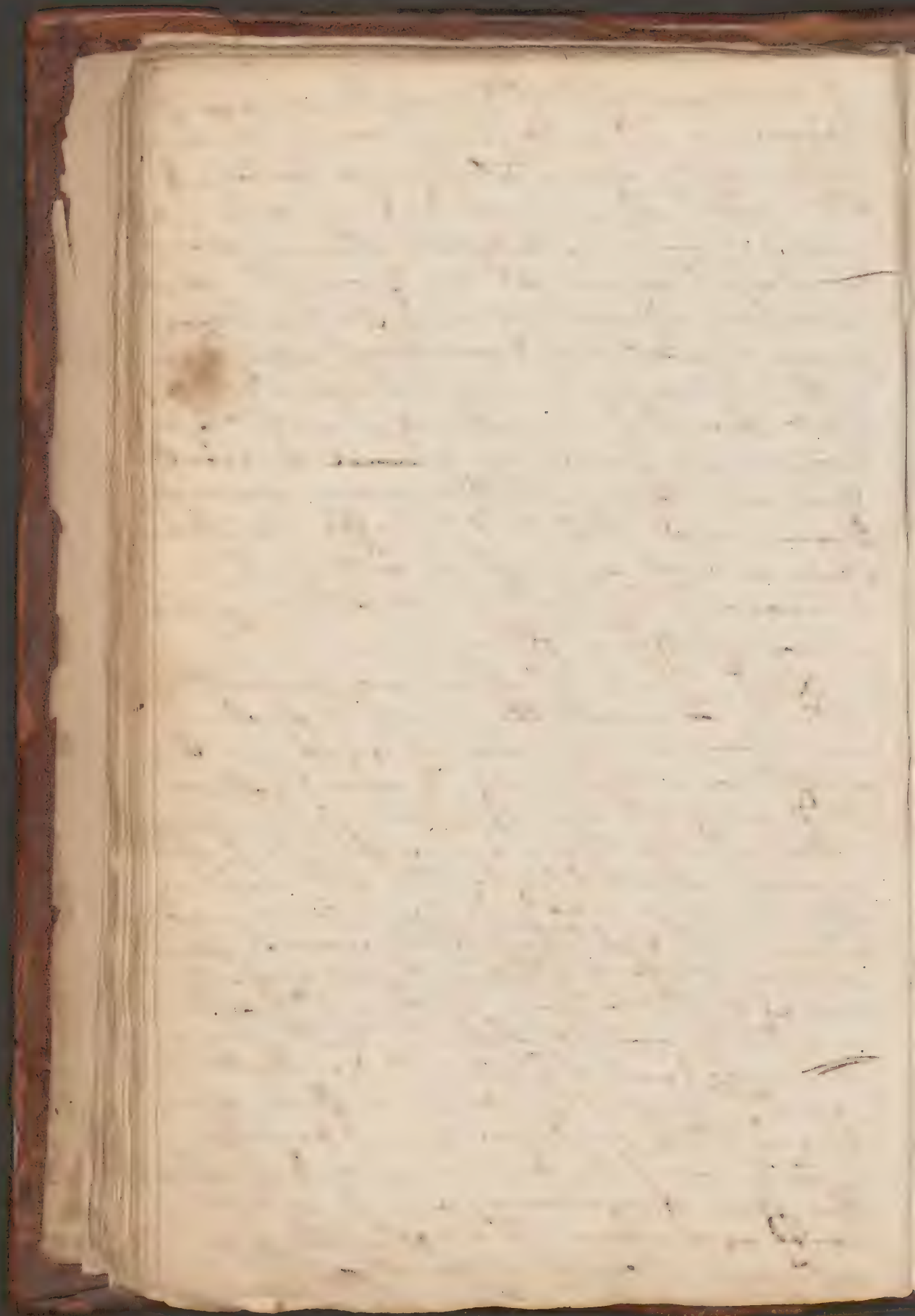
used more than the others except the
~~three~~ which are used to enflame the mucous
acid of bones for as it has for called
inflammation. Lumbic acid has been
found in mania but not in
apparent good effect. Acids have the
effect in the in infl. as ~~they are~~ ^{they are} useful
or at least agreeable to acidulate y. fluid
in infl. but they have not such an
effect in acute infl. as to be at all
depended upon. In Rheumatism & in
for the relief of acids have some effect to
enflame the more necessary for the
for a course length of time - the more
this is a species of infl. acids are more
travelling - Indicated in Rheumatism of all
kinds acids internally are powerful. Used
perhaps of the of parting y. fluid from y. fluid
Rheumatism is accompanied by inflammation
We shd. not expect of action by acids in
these cases be so efficacious as they are
in fact. They have abundance to provide
of the Rheumatism & to take off the heat
but their action is not the same as in
Rheumatism if they are used in infl.
their use of ~~the~~ ^{the} may be acid
in the ~~acid~~ ^{acid} ~~fluid~~ ^{fluid} ~~in~~ ⁱⁿ ~~the~~ ^{the} ~~same~~ ^{same} ~~way~~ ^{way}
as acid, as oranges &c. being useful
& agreeable to the stomach & y. fluid
for this purpose advantage in infl.
They are useful in the beginning of infl. when
there is only in y. fluid state - & at 10 to 15
of and for their tendency to increase the
energy of the pulse. Some have
given them in infl. for to correct
y. fluid

It has been already observed that
the majority of these are found in
the stomach & except mal-
ign. acid, none of them have any
power of destroying or diminishing dispo-
sition to putrefaction, unless in the stomach.
This is not at all preventarum
good for prodigal putrescent chyle.
In some cases, where nitric acid
has been used successfully, has
been found to be more readily than
any other putrescent had by price.

Of the action of juices for which is entirely
the stomach. For after 5 or 6 hours
their effects are totally over. The
initial oil remains of all respects.

of interesting of 9. 24. 21 — There are 2
cases in which acid may be given
internally as sedatives & I believe, &
then add solid, & rep. a large
quantity of water to dissolve them, which
be compl. as purgatives, & some of the
directions I have given — Extra acid may
be given in sedatives. More freely applied in
inflamm. of the parts, as of the eye, & of
the throat, & in infl. of the
lungs, as in fractures & in the
fever we obtain a little more comfort
than usual they tend to inflame the
skin, as well as to act as sed. on the
bedroom and by both these actions & by
in cases of infl. of the eye.

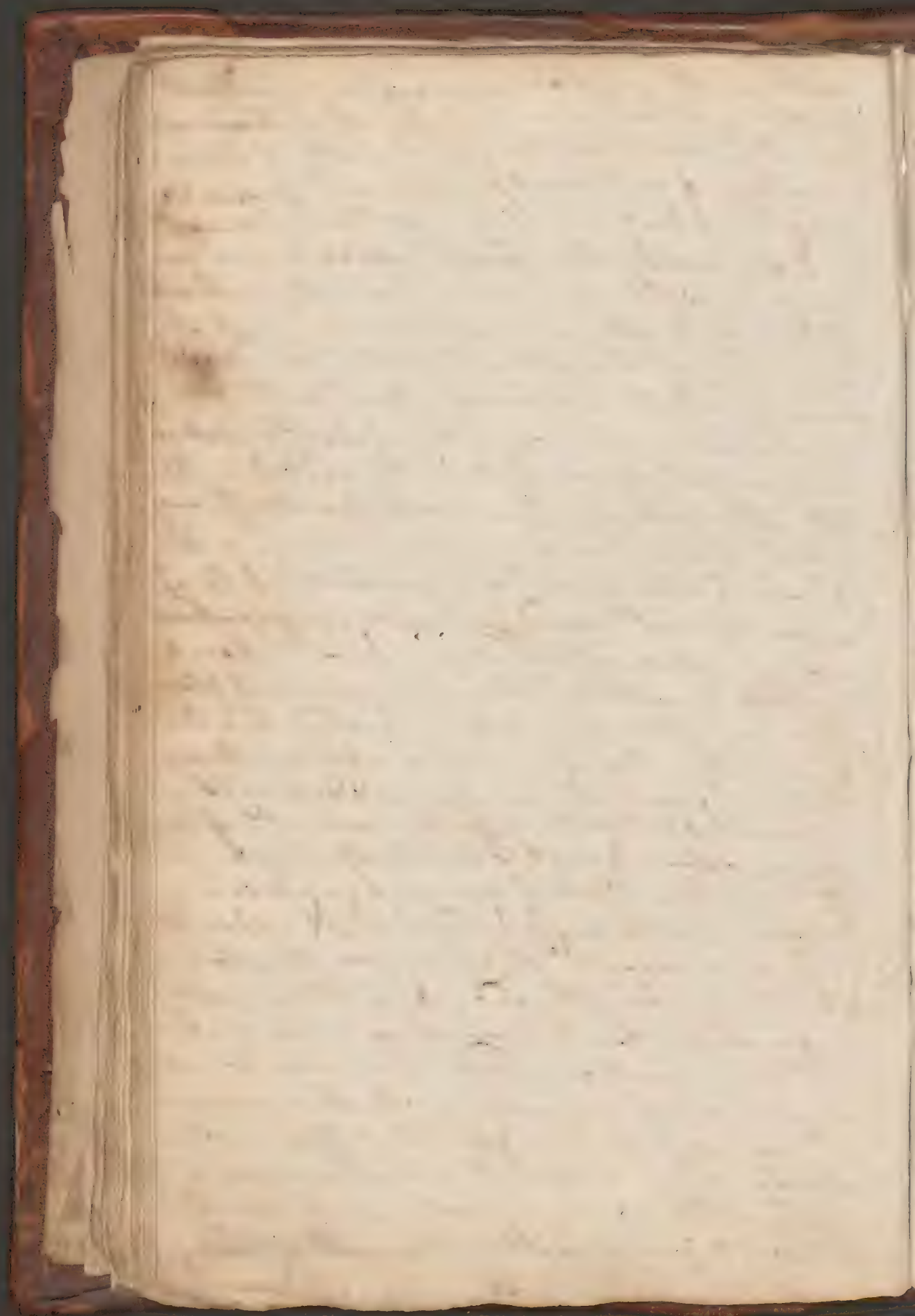
Lead — The purg. of lead are powder of
sed. — by the mouth the most so of all
we have — but we cannot well use it
except in urgent cases, & especially in
infl. of the gut in 9. I have not seen
either while they are applied to the
or when absorbed into the blood & rep.
after the inflammation. Their action is
diminished, & at last entirely ceases, so
continuing it a long time — there is a
one of 6. The action of Lead is
is entirely on the stomach, but when
it is weak, and of the stomach, & in testis
effects a longer time than those of
many other acids, as 4 or 5 days
with, because of less evaporation & less
The effects of mercury on 9. & 10. are
hard, and when it is applied to the
soft — and when it is evap. out of the



Let 2. each 1/2 lb. effect. be kept for some days, &
ready when g. is g. off. But prop. of lead, & the
action of the ~~acid~~ are the same. After the
are used, have their effect on the body
diminished so that they are great enough
may project even in great effect, than the
more when it lead was in the body. ~~It is~~
~~not a good thing to use it in the body~~
~~as it is not a good thing to use it in the body~~
It is by no means always that this is
not perhaps ^{one} 4 or 5 times - and even
it is sufficient to believe as I am their
except in cases of ~~the~~ - for I have
a great deal of ~~the~~ - of the ~~the~~, & in
Kermes. Tropical ~~the~~ (in the throat
aspect) ~~the~~ of ~~the~~, & ~~the~~
have in the body it is ~~the~~ fatal
at length. Lead therefore is a medicine
and by its means ~~the~~ play in the
effect more not for those ~~the~~
it is a very valuable ~~the~~ ~~the~~
We only ~~the~~ it ~~the~~ in case
of ~~the~~ when ~~the~~ ~~the~~
is ~~the~~ by the use of ~~the~~ - for in
such cases, ~~the~~ ~~the~~ ~~the~~
and then ~~the~~ - The prop. of
lead we ~~the~~ ~~the~~ is its ~~the~~
with ~~the~~ acid. ~~the~~ ~~the~~
with ~~the~~ acid. ~~the~~ ~~the~~
either is ~~the~~ as soon as it ~~the~~
of ~~the~~ ~~the~~ ~~the~~ ~~the~~
of ~~the~~ ~~the~~ ~~the~~ ~~the~~
of ~~the~~ ~~the~~ ~~the~~ ~~the~~
The ~~the~~ ~~the~~ ~~the~~ ~~the~~
made already ~~the~~ ~~the~~ ~~the~~
about half a grain - Sacc. ~~the~~

at Cambridge & many other parts of
the University have undertaken
to read - and it had produced a
great effect - The great object of the
society is to give a more general
knowledge of the Bible - it is a
very good thing - I am sure
that it will be of great service
to the world -

count in its crystals, a very large proportion
of water. When we compare it in this
line with other cases to use crystals of
any rep. of continuation — We find particles
give similarity in any case but having
Externally, the part of lead, are
useful solutions — We use it by itself
of Sacch. & Muriatic solution, but also
a compound of it with acetic acid
is called St. Salmuric. (See Diff. of
sacch. solution compound) (Salt of Salmuric
is a compound of Sacch. & acetic acid) — The
St. Salmuric is of most powder of
subst. of the Muriatic — We use it
of calx of lead formed by exposing it to
vapors of acetic acid for all operations
Lead is also colored by heat alone
melted & exposed to the air, especially if blown
upon by bellows — When heated red heat
& cooled, it forms a calx called Citharex
This calx somewhat is of a redder color
is called Citharex of gold — somewhat of a
green color, & called Citharex of silver
This is the effect of mere oxidation
If this calx be heated red heat, & exposed
to air some it changes its color
& heat of a bright red — This then call
minium — Lead may also be combined
with muriatic acid — This is done
by mixing minium & oil of vitriol
with some water, & distill off the volatile
alkali it is detached — What remains
in the still is muriatic acid combined
with lead — Either the salt of lead



Diphtheria in western camp, many in
the 1st & 2nd cohorts. I should have
in the 1st cohort of Calia included, it being
fugy in women not attended with
pain but itching. — Both cohorts
of salt of lead Diphtheria in water have
a coin ^{do not} in the 1st cohort of 1st, 2nd,
3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st, 32nd, 33rd, 34th, 35th, 36th, 37th, 38th, 39th, 40th, 41st, 42nd, 43rd, 44th, 45th, 46th, 47th, 48th, 49th, 50th, 51st, 52nd, 53rd, 54th, 55th, 56th, 57th, 58th, 59th, 60th, 61st, 62nd, 63rd, 64th, 65th, 66th, 67th, 68th, 69th, 70th, 71st, 72nd, 73rd, 74th, 75th, 76th, 77th, 78th, 79th, 80th, 81st, 82nd, 83rd, 84th, 85th, 86th, 87th, 88th, 89th, 90th, 91st, 92nd, 93rd, 94th, 95th, 96th, 97th, 98th, 99th, 100th, 101st, 102nd, 103rd, 104th, 105th, 106th, 107th, 108th, 109th, 110th, 111th, 112th, 113th, 114th, 115th, 116th, 117th, 118th, 119th, 120th, 121st, 122nd, 123rd, 124th, 125th, 126th, 127th, 128th, 129th, 130th, 131st, 132nd, 133rd, 134th, 135th, 136th, 137th, 138th, 139th, 140th, 141st, 142nd, 143rd, 144th, 145th, 146th, 147th, 148th, 149th, 150th, 151st, 152nd, 153rd, 154th, 155th, 156th, 157th, 158th, 159th, 160th, 161st, 162nd, 163rd, 164th, 165th, 166th, 167th, 168th, 169th, 170th, 171st, 172nd, 173rd, 174th, 175th, 176th, 177th, 178th, 179th, 180th, 181st, 182nd, 183rd, 184th, 185th, 186th, 187th, 188th, 189th, 190th, 191st, 192nd, 193rd, 194th, 195th, 196th, 197th, 198th, 199th, 200th, 201st, 202nd, 203rd, 204th, 205th, 206th, 207th, 208th, 209th, 210th, 211th, 212th, 213th, 214th, 215th, 216th, 217th, 218th, 219th, 220th, 221st, 222nd, 223rd, 224th, 225th, 226th, 227th, 228th, 229th, 230th, 231st, 232nd, 233rd, 234th, 235th, 236th, 237th, 238th, 239th, 240th, 241st, 242nd, 243rd, 244th, 245th, 246th, 247th, 248th, 249th, 250th, 251st, 252nd, 253rd, 254th, 255th, 256th, 257th, 258th, 259th, 260th, 261st, 262nd, 263rd, 264th, 265th, 266th, 267th, 268th, 269th, 270th, 271st, 272nd, 273rd, 274th, 275th, 276th, 277th, 278th, 279th, 280th, 281st, 282nd, 283rd, 284th, 285th, 286th, 287th, 288th, 289th, 290th, 291st, 292nd, 293rd, 294th, 295th, 296th, 297th, 298th, 299th, 300th, 301st, 302nd, 303rd, 304th, 305th, 306th, 307th, 308th, 309th, 310th, 311th, 312th, 313th, 314th, 315th, 316th, 317th, 318th, 319th, 320th, 321st, 322nd, 323rd, 324th, 325th, 326th, 327th, 328th, 329th, 330th, 331st, 332nd, 333rd, 334th, 335th, 336th, 337th, 338th, 339th, 340th, 341st, 342nd, 343rd, 344th, 345th, 346th, 347th, 348th, 349th, 350th, 351st, 352nd, 353rd, 354th, 355th, 356th, 357th, 358th, 359th, 360th, 361st, 362nd, 363rd, 364th, 365th, 366th, 367th, 368th, 369th, 370th, 371st, 372nd, 373rd, 374th, 375th, 376th, 377th, 378th, 379th, 380th, 381st, 382nd, 383rd, 384th, 385th, 386th, 387th, 388th, 389th, 390th, 391st, 392nd, 393rd, 394th, 395th, 396th, 397th, 398th, 399th, 400th, 401st, 402nd, 403rd, 404th, 405th, 406th, 407th, 408th, 409th, 410th, 411th, 412th, 413th, 414th, 415th, 416th, 417th, 418th, 419th, 420th, 421st, 422nd, 423rd, 424th, 425th, 426th, 427th, 428th, 429th, 430th, 431st, 432nd, 433rd, 434th, 435th, 436th, 437th, 438th, 439th, 440th, 441st, 442nd, 443rd, 444th, 445th, 446th, 447th, 448th, 449th, 450th, 451st, 452nd, 453rd, 454th, 455th, 456th, 457th, 458th, 459th, 460th, 461st, 462nd, 463rd, 464th, 465th, 466th, 467th, 468th, 469th, 470th, 471st, 472nd, 473rd, 474th, 475th, 476th, 477th, 478th, 479th, 480th, 481st, 482nd, 483rd, 484th, 485th, 486th, 487th, 488th, 489th, 490th, 491st, 492nd, 493rd, 494th, 495th, 496th, 497th, 498th, 499th, 500th, 501st, 502nd, 503rd, 504th, 505th, 506th, 507th, 508th, 509th, 510th, 511th, 512th, 513th, 514th, 515th, 516th, 517th, 518th, 519th, 520th, 521st, 522nd, 523rd, 524th, 525th, 526th, 527th, 528th, 529th, 530th, 531st, 532nd, 533rd, 534th, 535th, 536th, 537th, 538th, 539th, 540th, 541st, 542nd, 543rd, 544th, 545th, 546th, 547th, 548th, 549th, 550th, 551st, 552nd, 553rd, 554th, 555th, 556th, 557th, 558th, 559th, 560th, 561st, 562nd, 563rd, 564th, 565th, 566th, 567th, 568th, 569th, 570th, 571st, 572nd, 573rd, 574th, 575th, 576th, 577th, 578th, 579th, 580th, 581st, 582nd, 583rd, 584th, 585th, 586th, 587th, 588th, 589th, 590th, 591st, 592nd, 593rd, 594th, 595th, 596th, 597th, 598th, 599th, 600th, 601st, 602nd, 603rd, 604th, 605th, 606th, 607th, 608th, 609th, 610th, 611st, 612nd, 613th, 614th, 615th, 616th, 617th, 618th, 619th, 620th, 621st, 622nd, 623rd, 624th, 625th, 626th, 627th, 628th, 629th, 630th, 631st, 632nd, 633rd, 634th, 635th, 636th, 637th, 638th, 639th, 640th, 641st, 642nd, 643rd, 644th, 645th, 646th, 647th, 648th, 649th, 650th, 651st, 652nd, 653rd, 654th, 655th, 656th, 657th, 658th, 659th, 660th, 661st, 662nd, 663rd, 664th, 665th, 666th, 667th, 668th, 669th, 670th, 671st, 672nd, 673rd, 674th, 675th, 676th, 677th, 678th, 679th, 680th, 681st, 682nd, 683rd, 684th, 685th

of One Species of animals (that is
such as soap. The solid fibres & make
them float out the water so as to
contact them) have been already consid-
ered. The species of animals are now
considered. There is no increase
the same of the remaining parts.

Sub 37th Of Astringents.

All of most parts of the body are constantly contracted more than they w^d. be if they were not. even while they are at rest — This contraction is called the tone of a part. & much w^d. increase it, astringents — Most of these act by a local power. This effect if they be applied to a ~~dead fibre~~ ~~dead~~ fibre will make it contract. Hence if it was supp^d if they acted on living solids — that they did not end. of tone but made of simple solids contract. just as they would do if they were applied to them in the dead body — (a) But the contr. w^d. is prod^d. by app^d. of astring. to a dead fibre is quite diff^r. to if. prod^d. by app^d. of astring. to a living body — for it contr. occas^d in the former, by precipitate so that this action on a living part decays. (Bill of. part) while the latter is living a power depending on life — it is still retaining its w^d. with any alterⁿ. in its parts. It is matter of if. fibre — altho' there is a contr. in both cases, yet if. contr. is quite a diff^r. operatⁿ. in one case & that it is in the other — Astringents not merely applied to if. parts. If their astringency is exerted — & there be a transference from the uterus & cum thrown into the stomach will not put a stop to it in less than a quarter of an hour — long before we expect it to reach the uterus — even sup^d. & a cum. was to be taken so

(a) Ten grains of alum for each 7 solid
X mixed thro' the whole of the fluids, w.
impregnate them so little that they
w^d not be able to exert any action.
For suppose there be 30 pounds of
fluid only, ~~and~~ it w^d be only one
grain to Oij — Now if we dissolve
a grain of alum in Oij of water
it will not render it in the least
dis. asking t^o of taste —

cannot enter the blood. resp. the quan.
of it wd be too small, to have any
effect diffused thro such a mass of fluid.
(4) You could not string as all on
the bl. resp. we must consider that
they are blut. full & this last the
case, it is impossible f. all of resp.
shd. contr. at once if they did not
throw out of fluids - indeed if perspire
it takes pl. some times a minute
prose warm - — — — — —
not ^{non} corn of nutritive & dissipative resp.
because they consume of whole bl.
resp. perspire strongly on of blood
& throw it out of greater force but
as they consume of of balance & of secretion
of glands contact, they try this
means to stop the sec. instead
of increasing it. It is their guidance
effect - But nothing? do not all equally
for they act more on the small than
of large resp. & thereof they are apt to
make of former contact & to generate
of blood in the large resp. - I think
do not prod. a permanent effect on the
system. Their action being only with
a short time. — — — — —
After an asthenic
is made out of the ~~body~~ system, the
count. res. of resp. system of resp. system
is exhausted in the part so of resp.
of resp. have much greater capacity in
the parts after their operation, so as
when we apply ~~resp.~~ nothing? to
visible solid out of the body, & make
contact, it is lost. However
of resp. of resp. system, & of resp.

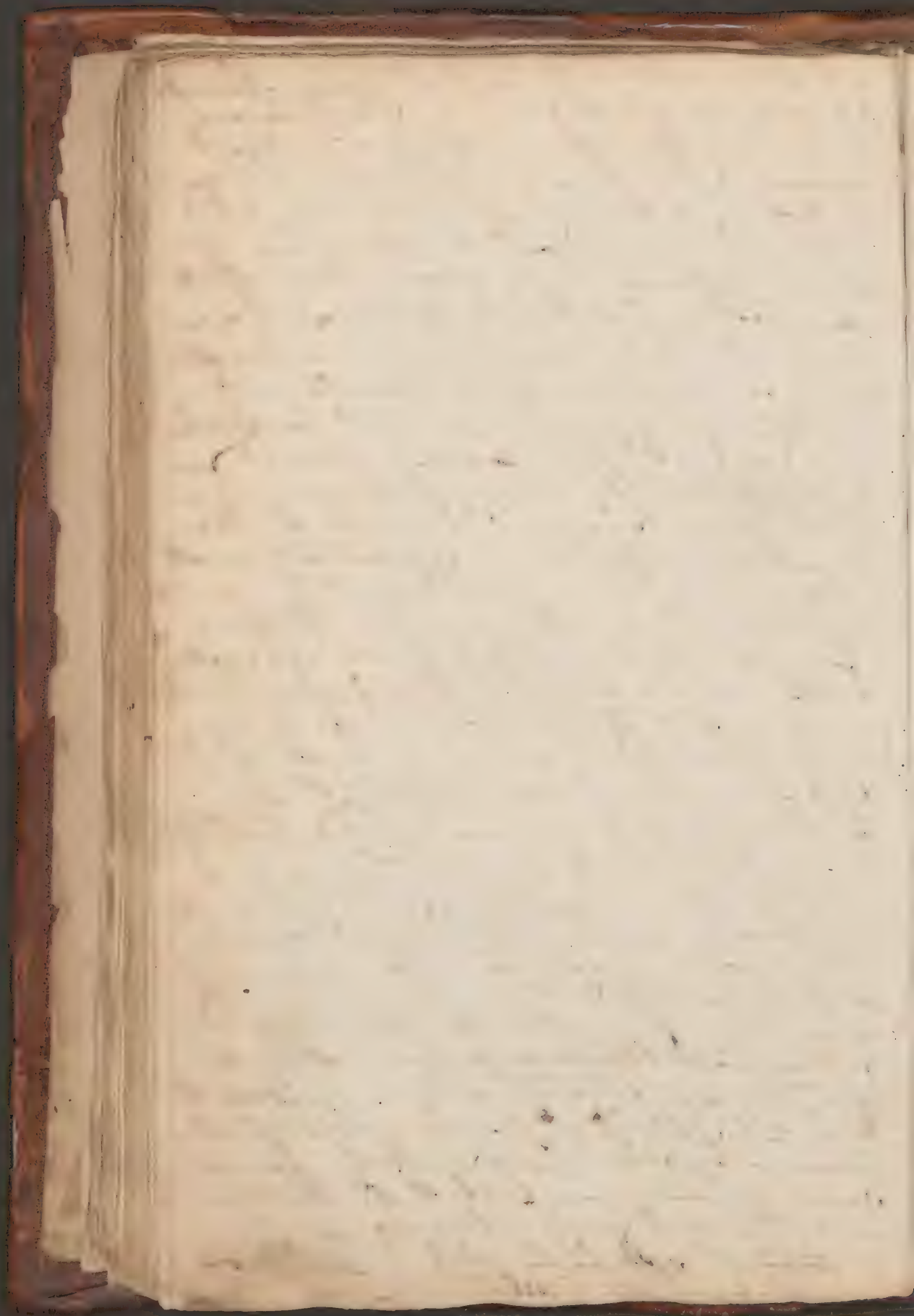
at the alt. of the river is 100 yds
and 100 ft. or thereabouts
along the river

supply of strength & the strength
 resumed. but if system is exhausted & needs
 long rest of large rest? could be. The
 small ones - nothing but the large
 in pots full, & they are not it by supply
 for them to grow. too much smaller
 quantity of blood as far as they are
 much less strength of substance but
 they are indeed young, strong & much
 instead of strengthening for when their
 strength is once, the parts are left
 exhausted & become much weaker
 than were of. Some have a little
 more of that kind strength & strength
 by activity as a thing. - but in this case
 falls. back - back to other such things
 a thing, for strength much better than
 with the back - not used - gentle
 so. because their strength is much
 greater - this is very rarely that of a
 simple strength. strength of system
 coming from the back of the system
 do not set for their strength, but the
 qualities - strength like strength
 in this, & some of them set more
 universally & more. They are
 rarely so - some strength of part
 of the system is made ~~by the~~
 but they are, & falls back so. do
 do not for if there be but a little
 in fact of their supply to a small
 green, & red. They are more of the
 black - hard in getting to be
 in their food & quality of cells, & of
 green the stomach - but of the system
 that is actually applied

at 1/2 there sh^d be a class of 100 an
is a barren & a poor sh^d be the 100
in course? if we get this an string
to 100 sh^d the people in 100
the interest will often be brought
in which is a much more fatal
issue

not even when I intend to spend
a quantity of money. I shall find
in the purchase of most things that
many things are wanted by the
lecturer. I do not get into the habit
of it. - I must not be deceived of
some of them only show their effect
on a particular subject while there are
many which in a few minutes after
they are thrown into the storm.

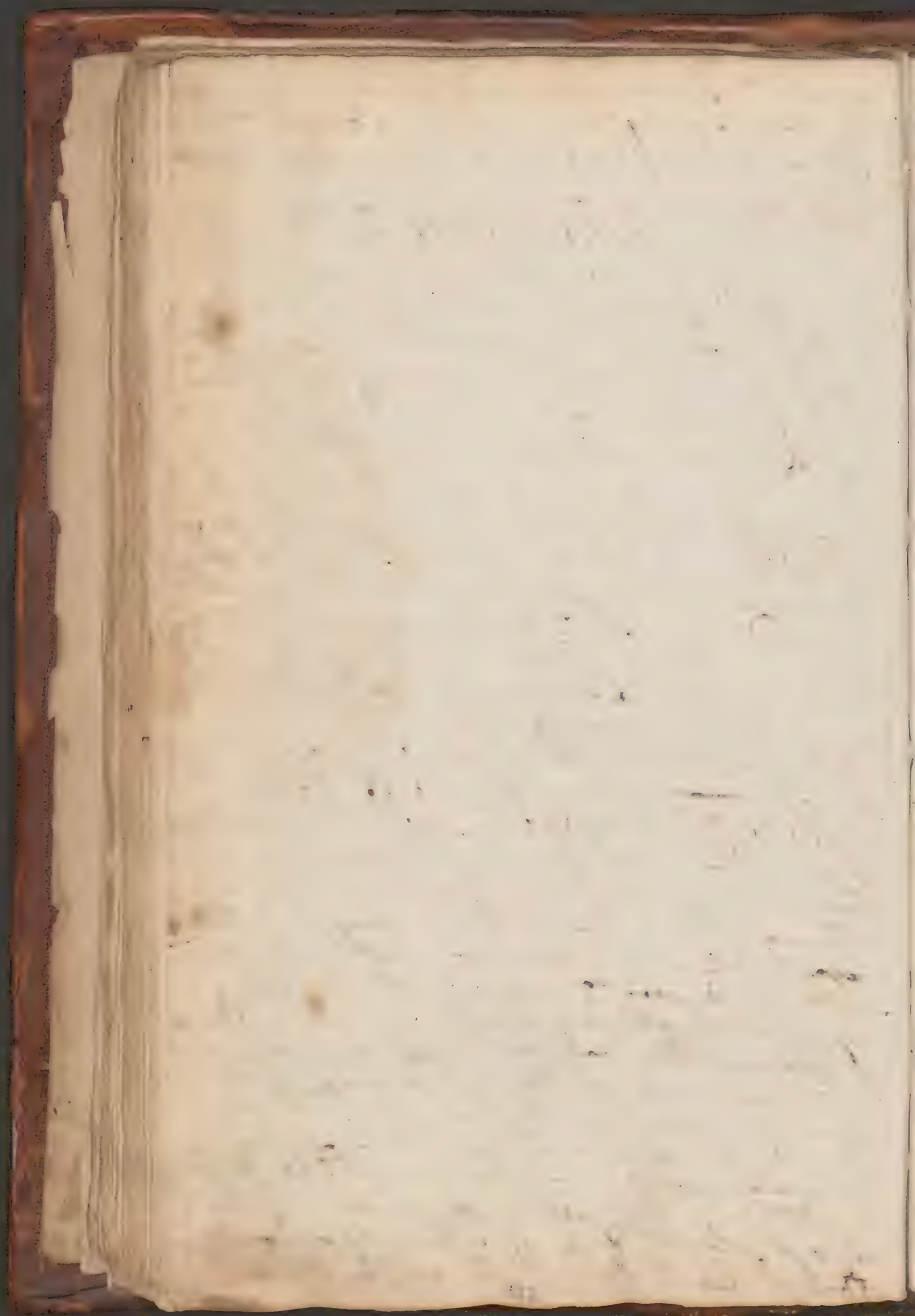
Things I have been obliged to check
one second for passing glass
in the subject by a thing like an
I. P. Place to avoid the cause of the
operation. It is a very strong matter
which is applied to a glass and I see
that I see smaller matters in the
for if we put a stop to it, see a small
will not be washed off of skin and
side in the of the part - or if there
be a glass of it on any part of it
body, no one can take it off and
further in the is prevented - but
we put a stop to it, see by a
a thing. Then in the of it part will
in many instances be avoided and
we have a worse case for we must
also be careful then to remove
any thing of matter or glass of it
from a part before we can stop a
see it as a thing. In the same way
in the of it. It is the second of it
have only a temporary effect for as
soon as we can take it off there
are these things fully returned -
things and only stop it for a
short time.



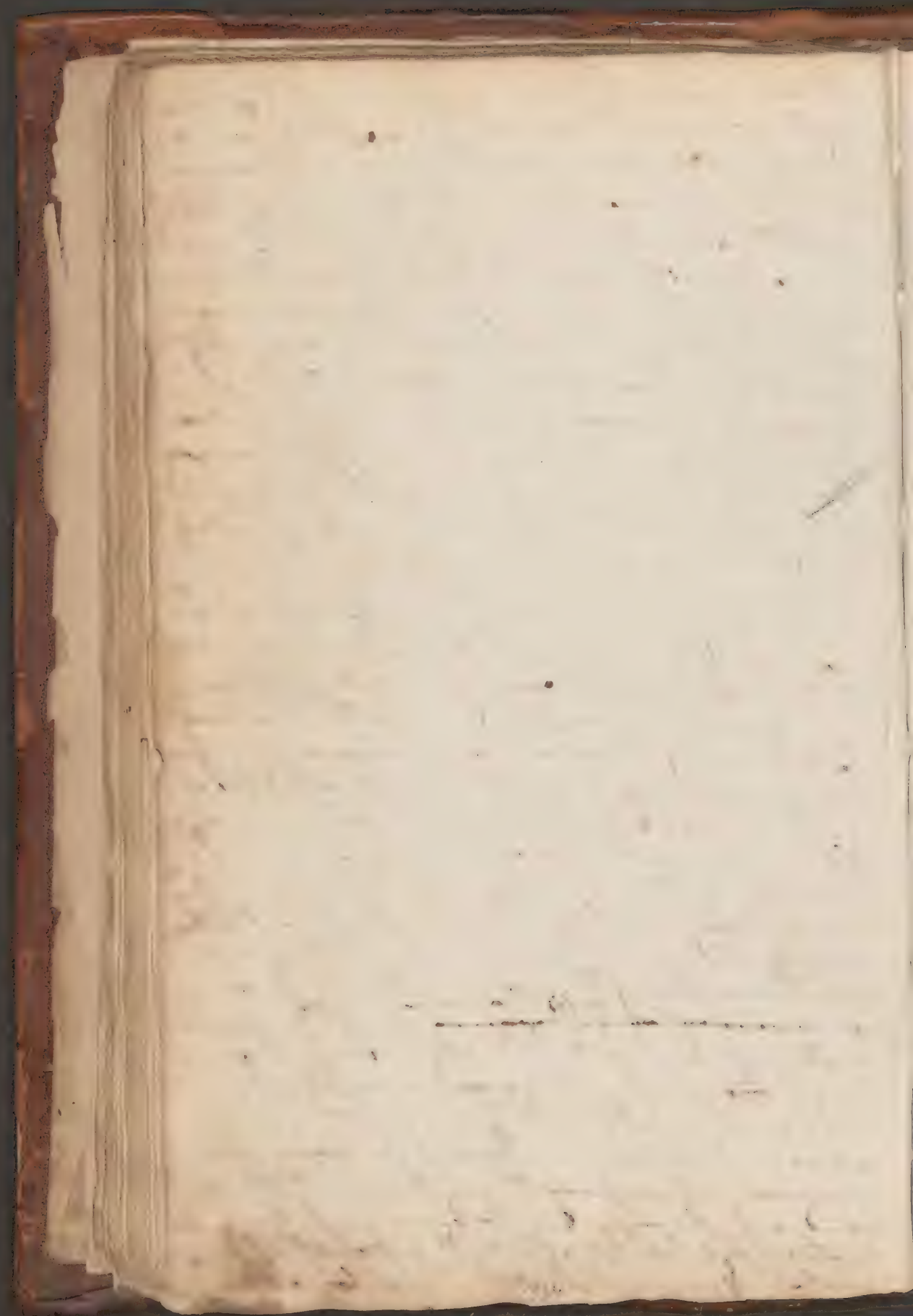
[illegible]

Q. There comes me might, conscience
of a heart, and a gentle, but I will
sincerely if they touch only the
surface of the ground for me. I will
sincerely, in ~~the~~ ~~the~~ thro' out of it will
appear evidently, here they are only
on the surface of the water.

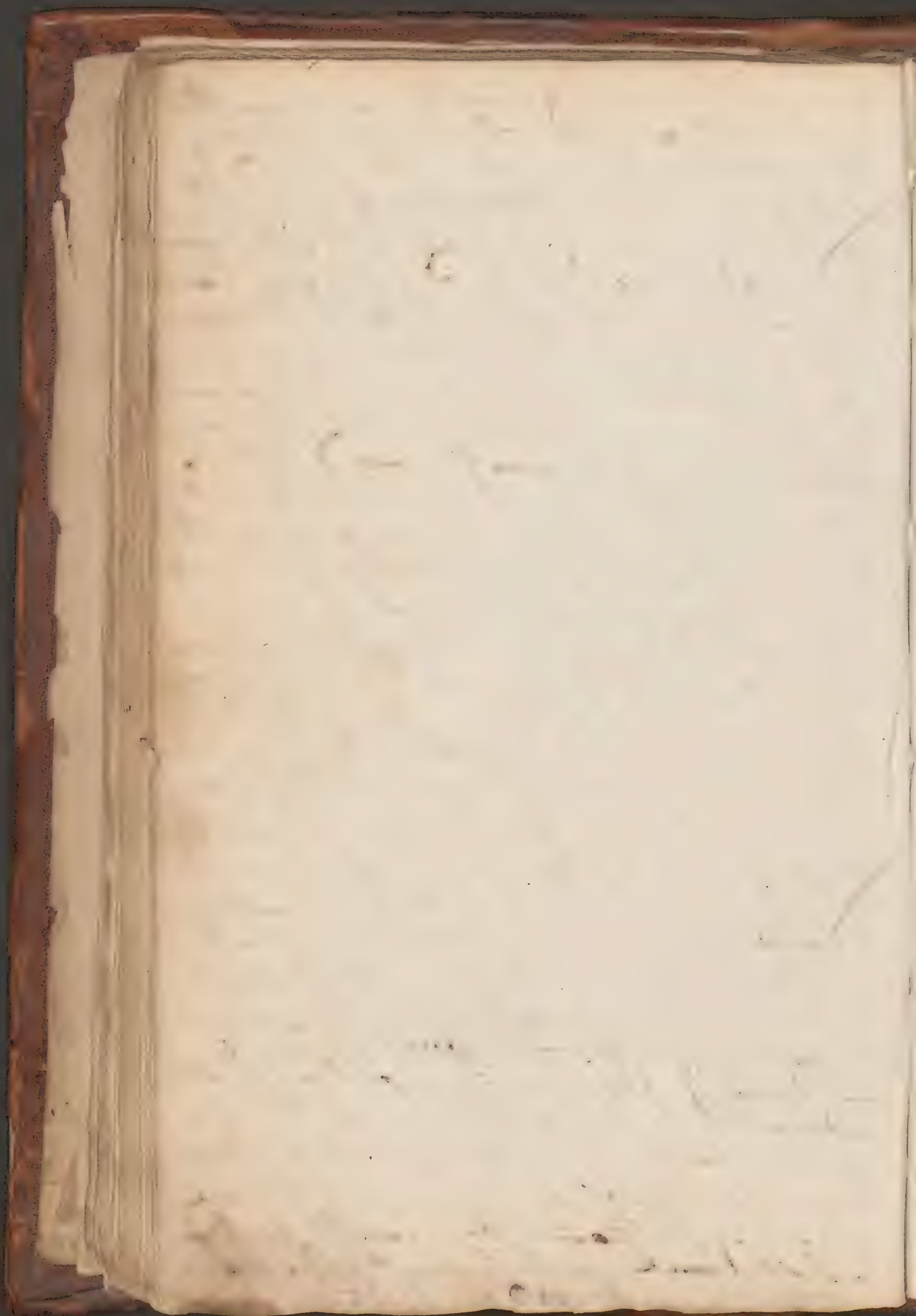
at Darnley & very slight with a
little rain. The wind was S. & there
was a fine day. I went to the
The Church, and saw some
of the people in the church. I
was very much interested in the
work of the church. I saw
the work of the church.



[illegible]



a small quantity of chalk or any other
calc. earth, so as to saturate the solid.
The calc. earth enters, the J. said so
and from Paris ~~the~~ J. said so
just a very small quantity of dipolue
in water - so J. J. said a sherry for
J. calc. earth & falls to the bottom
We may apply any salt of J. alum
so as to have it pure - When alum
is appl. as an astringent, it is
better to have it free from acid. When
thrown into of water it is. It is
correct. - Alum is a most
useful thing. - J. quickest in its
action & most universal of astringents.
In cavity of J. gums, or tonsils, alum
has been used & is useful. Since
all the astringents have been tried
when there has been much
expectoration, especially in the case of J. lung
- an acid sec. of urine - J. alum
fluor albus & so on and so forth
from J. much of it of kind. - together
with the sec. alum has been used -
in these cases it is not of much
a thing - we can apply to the gum
in cavity or fluor albus it has been
used in J. for cure of injection in the
advent. - In the case where it is
proper to employ astringent it is the
most powerful of any if we have
effect of the same. It can be used for
a short time - In the case where
it is used in the case of J. J. J. J.



long time, rep. thing, are and a
rather - but where I have is more
rather - seem is rather - It has been
appl. as a sedative in infl. of the
eye-lids. & of the tonsils & other infl.
parts - & had good effect - It seems
dissolved in water has some effect on and
to ease smooth in order to take it
it take - & has to mix also with
milk, - This is sufficient to make
it into pills, or supps by rolling
Dragon's blood in it - but the Solute
of it in water is not disagreeable to
take, & acts as readily - as if it be
crushed in any other way, so it
is not worth while to give it any
other way - You want to apply
it externally, you may take of white
Lam eggs rub it with a piece of alum
The alum may be of white of eggs
a quantity is suspended in the water.
It may be apply'd, & retained on a
cloth a considerable time - Some times
Gum arabic - Starch & other matters
may be substituted - as Cassia
Gum arabic - but it is far better
to give pure alum, because we
can ascertain its dose more
perfectly.

In Dr. Sydenham's catalogue, there, given
some virtues, which are spring. However
this indeed they are but very rare
and placed as others. - 1st of them one
part of it, blue vitriol is so rare
and as an attention to such a

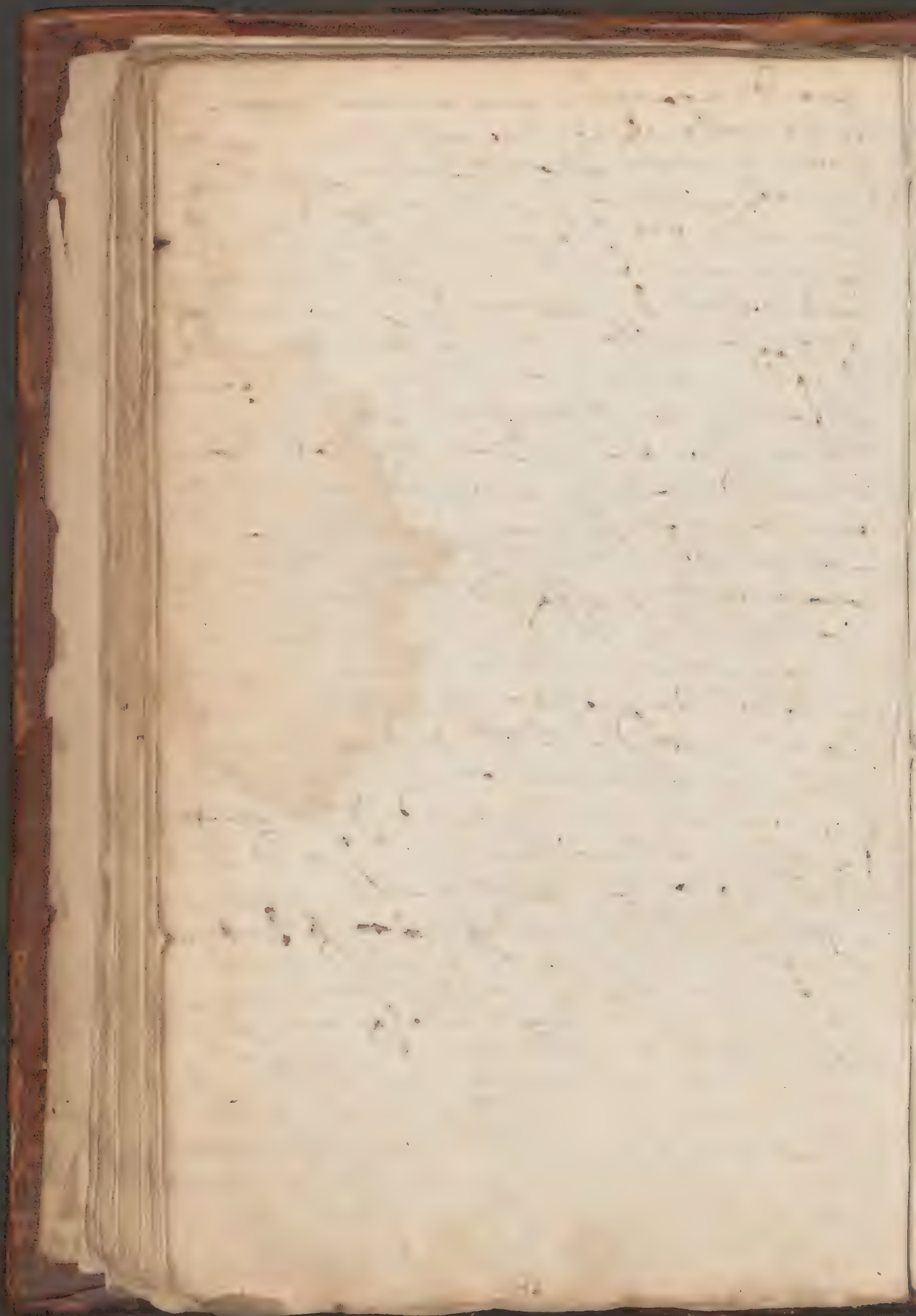
• Upper has smooth Co. except in place
of ~~clay~~ - but it gives paper the
same in this form with a
a thin skin

of loose fungous flesh - There were a few
is conducted to the interior of the body -
of body - (Lippin in the ~~body~~ ^{interior} of
the ~~most~~ readily soluble in a large
quantity of one of the metals, but as
never might be in action, & therefore
were obliged to use the ~~best~~ of it
~~the best of it~~ ^{the best of it} ~~the best of it~~
we are more certain in their
effects - The galles of the ~~wood~~ ^{wood}
of the ~~wood~~ ^{wood} is by ~~means~~ ^{means} of a
solution in the air, the active being
readily soluble in the salt of the
stomach - but also in water of the
mouth the good property - but have
yet to be adopted - It has been ~~supposed~~ ^{supposed}
given in the use of coffee in ~~the~~
these galles have been found in
course of the use of the ~~wood~~ ^{wood}
fresh ~~wood~~ ^{wood} being ~~found~~ ^{found} in the
of ~~the~~ ^{the} has ~~calculated~~ ^{calculated} to the ~~calculated~~ ^{calculated}
deposited in it of water, ~~the~~ ^{the} such
material, such as ~~the~~ ^{the} ~~the~~ ^{the}
in such cases, as ~~the~~ ^{the} ~~the~~ ^{the}
in such a ~~case~~ ^{case} as ~~the~~ ^{the} ~~the~~ ^{the}
fatal - There is no ~~the~~ ^{the} ~~the~~ ^{the}
in ~~the~~ ^{the} ~~the~~ ^{the} ~~the~~ ^{the}
too large a ~~quantity~~ ^{quantity} has ~~been~~ ^{been} ~~been~~ ^{been}
as to disagree with the ~~the~~ ^{the} ~~the~~ ^{the}
of ~~the~~ ^{the} ~~the~~ ^{the} ~~the~~ ^{the}
quantity of ~~the~~ ^{the} ~~the~~ ^{the} ~~the~~ ^{the}
Indeed it is wonderful that one
should eat of ~~the~~ ^{the} ~~the~~ ^{the} ~~the~~ ^{the}
but of ~~the~~ ^{the} ~~the~~ ^{the} ~~the~~ ^{the}

2. When we see find large crystals,
of any substance, we are assured
it is pure

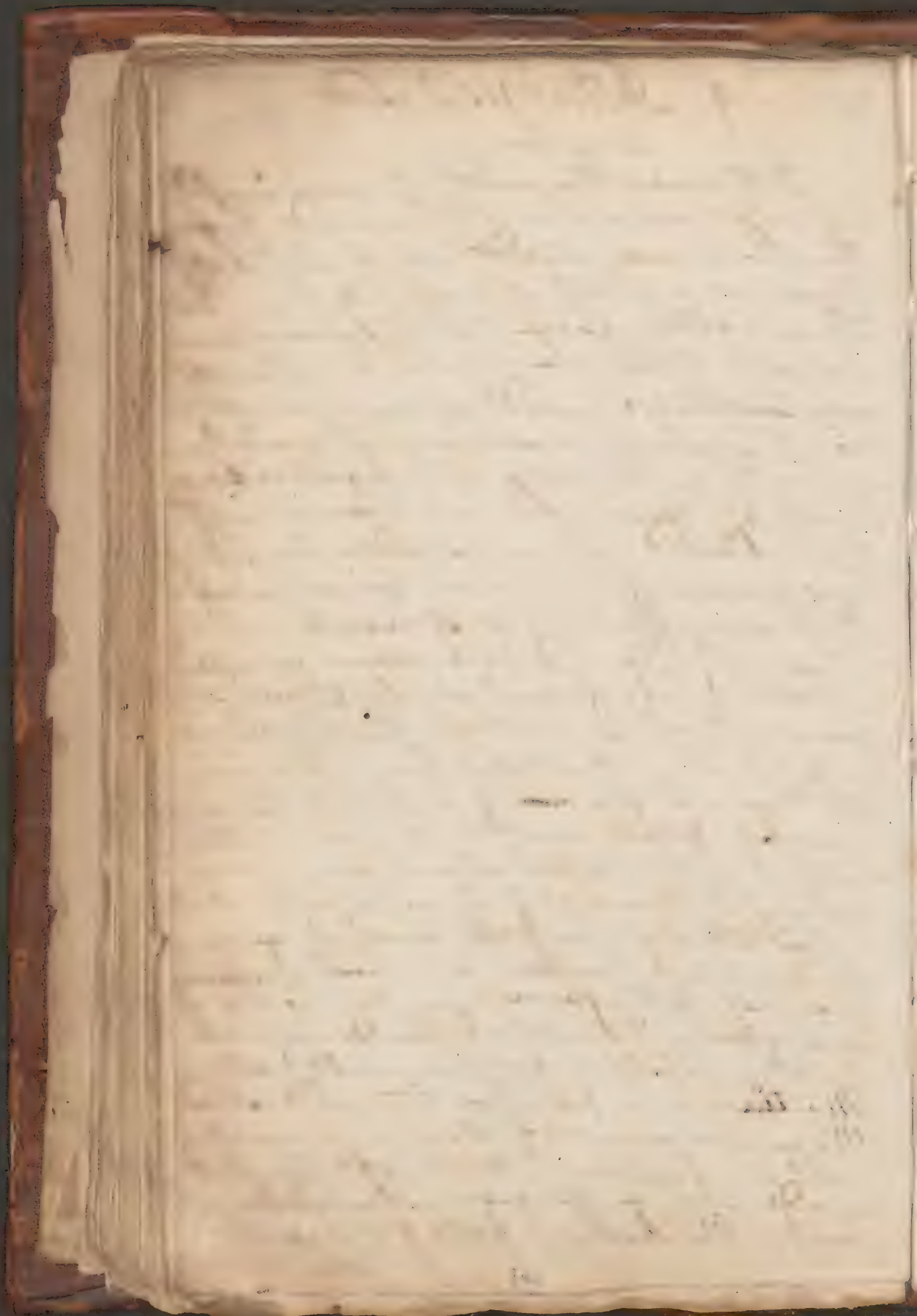
3. If we within solution of salt in
water, or distil of med. liquor
a crystall? It is called distilled
med. liquor

guards against a very small quantity
of the calx of copper being taken up
gives a very strong test - blue
initial of copper & of tartaric acid & is
procured from J. Goussier & J. Goussier
large manufactures - in the Paris
Lodipolus of J. pieces of copper with
fine gilt buttons in order to separate
J. gold - whichever way it is found
it forms large crystals soft. they
then are found - Blue initial has
in mind intent - as well as a test to
purgeous flesh - Copper has been in
use combined with acetic acid the
combination is effected by mixing J. with
more of the acid - this is done
in countries where wine is made
by taking the grapes after the juice
has been squeezed out of them & placing
plates of copper among them - the
ferment becomes acid & the surface
of copper becomes covered with J. acid which
with the J. forms pretty a salt. This
a calx, called verdigris - the Verdigris
was formerly purchased from J. Goussier
in all J. cases where it was
now are red precipitate - Copper
has also been used to combine with
ammonia - J. Goussier plates of
copper mixed with a solution of salt
ammonia - they combine together & form
a blue salt. which has some other
advantages in gold & silver cases
where it is used to fix the J. in solution
of copper in gold & silver cases
has been used in the same way



Lecture 39th Astringents cont.

Iron was the med^l of. was imp^o
princip^lly as a strength^g med^l. before
the last was made use of. I think
there are a great of prop^s of it - In
its metallic form it dissolves in
the salt of the stomach & is there
an inactive med^l. a very common
20 - It dissolves more or less readily
according to the size of the particles &
therefore if very small a little more is suff.
It is reduced into a powder by filing
fine grains of it in very fine powder
has the same effect as if coarse - The
same is reduced to a very fine powder
by rubbing of calx of iron viz. by dissolving
green vitriol in water & precipitating
by fixed alk. - In taking this calx - run
it to some glass & put it into a
crucible & heat another once it then
break it just red-hot about an hour
taking it then for 1/2 hr & letting it
stand till it is perfectly cool'd we
find a black powder for which I suppose
the colour of the flour may be used &
by water - This black powder is not
in its metallic form called
Martialis - Iron has been used called
the common rust of iron is used
salt in Jackson's & the eff^l has been
made use of for iron salt called
rust - The scales of gall for iron



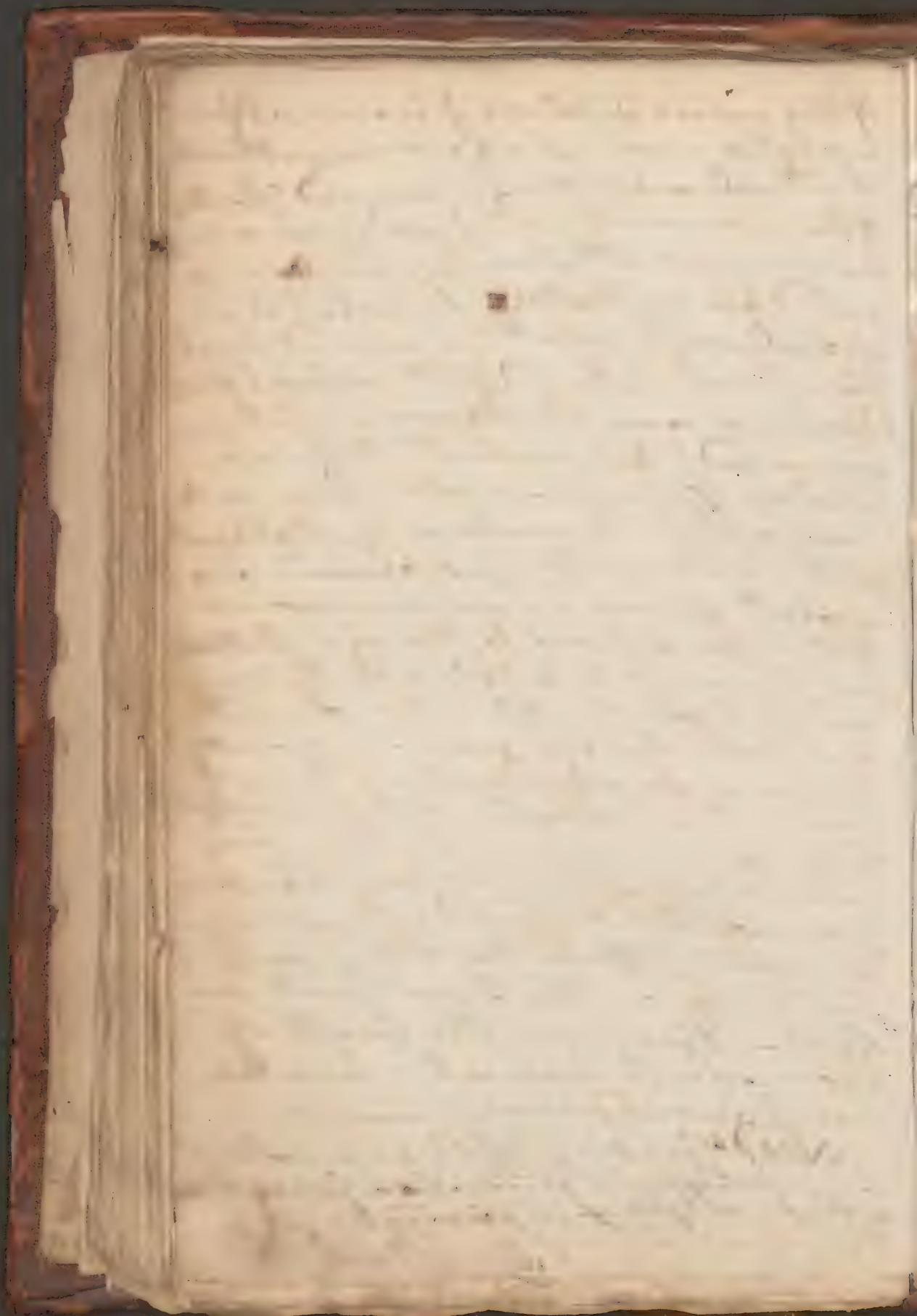
are its best treated, are also readily
soluble, & a solⁿ of these in weak
of water & (or) has been employed
The caldes given also in
bales or clays - & there are of
most of it is known to be used as a
they have been used as strengthening
plasters to remove the same of
also entering in cases of purp^{le} & ash
Lapis hematites (cal^d of iron) in
of barres of earth, my ball in
shaded crystals, has hardly ever
any effect - However, nitric acid
forms green nitric - When mixed
with this & forming a dipol^{ar} iron
in the acid & not of iron
called sol Martis - The diff^{er}ence
of iron in this case, there is little super
acid in it, but this may be made
be formed by dipol^{ar} green with
in water, & adding a little nitric
acid, & re-crystallizing it - The cal^d of
of camp^{er} of iron is the mineral. and
has been made use of - called mineral
iron - This is very apt to decom
on being exposed to the air - This
is rendered by dipol^{ar} it in water &
adding a little alcohol, and remove
this camp^{er} has been called tinch. Mart
in spiritus solis - Iron has also been
camp^{er} called the carbon in the
forms a salt - when we digest
 filings of iron with wine the carbon

(a) Iron is deposited in aqueous
solution by mild acid reagents. It
will be deposited by all acids
and an anion. Proportion

(b) The reagent of lead is on
the same principle of

of the mine dipolues of iron - It
is to be any cal. of iron & sublimed
it with sal ammoniac consist. parts
of the iron units with of sal ammoniac
& sublimed with it - This preparation
called Flores Martiales It is soluble in
alcohol & its solution is named tinct
flor. Mart - It is diff. to exhibit flo.
Mart. in any other form - It
is used of Pulverulent & if
dissolve them in water, they are
very apt to decompose & what remains
at the bottom after of sublim. is
a solution of iron in sal ammoniac
of this we exposed to the air it attracts
water enough to dissolve it - This is
called liquor Martis It is the
best prep. of iron we can employ
It was once a desideratum to unit
iron with an alkali & it was supposed
in some cases, it would be of
considerable efficacy - (as iron has some
been extracted comb. with sulphur)
by melting them together - but
in this way the iron produces
effect - This is the prep. of
iron which have been used
in medicine

Lead has been used as an astringent
in injections in gonorrhoea. being
a fine alloy of iron & lead
This is used in the form of a powder



as well as a sediment, but it cannot
be grafted, and so it is not a good
Lime is an article, is the most
among the minerals - (Calc. of lime)
Calc. of lime is found in the
form of a white powder - at
Sturbridge of a hard white stone
that is very common as a road
somewhat better than the others
has got rid of many of its impurities
and is left in a state of purity
it is then called suddenly by
the name of its mother - P. P. The
lime is used for a very fine powder
after having been in a mortar, it
is then ground on a slab of porphyry
or a plate & afterwards thrown in
water & mixed with it - After it has
stood about half a minute, it
is then off - This one gets it in
a very fine powder - We
employ it as an article in all cases to
improve the growth of seeds & in
fact it is very valuable - The
calc. of lime is P. in of the minerals
of the earth, in which it is made
this has been called tutty - It was
much more of a good stone - The
lime is then - It is somewhat
more soluble than the lime
has rarely been used as a good
another calc. is found in the form of a

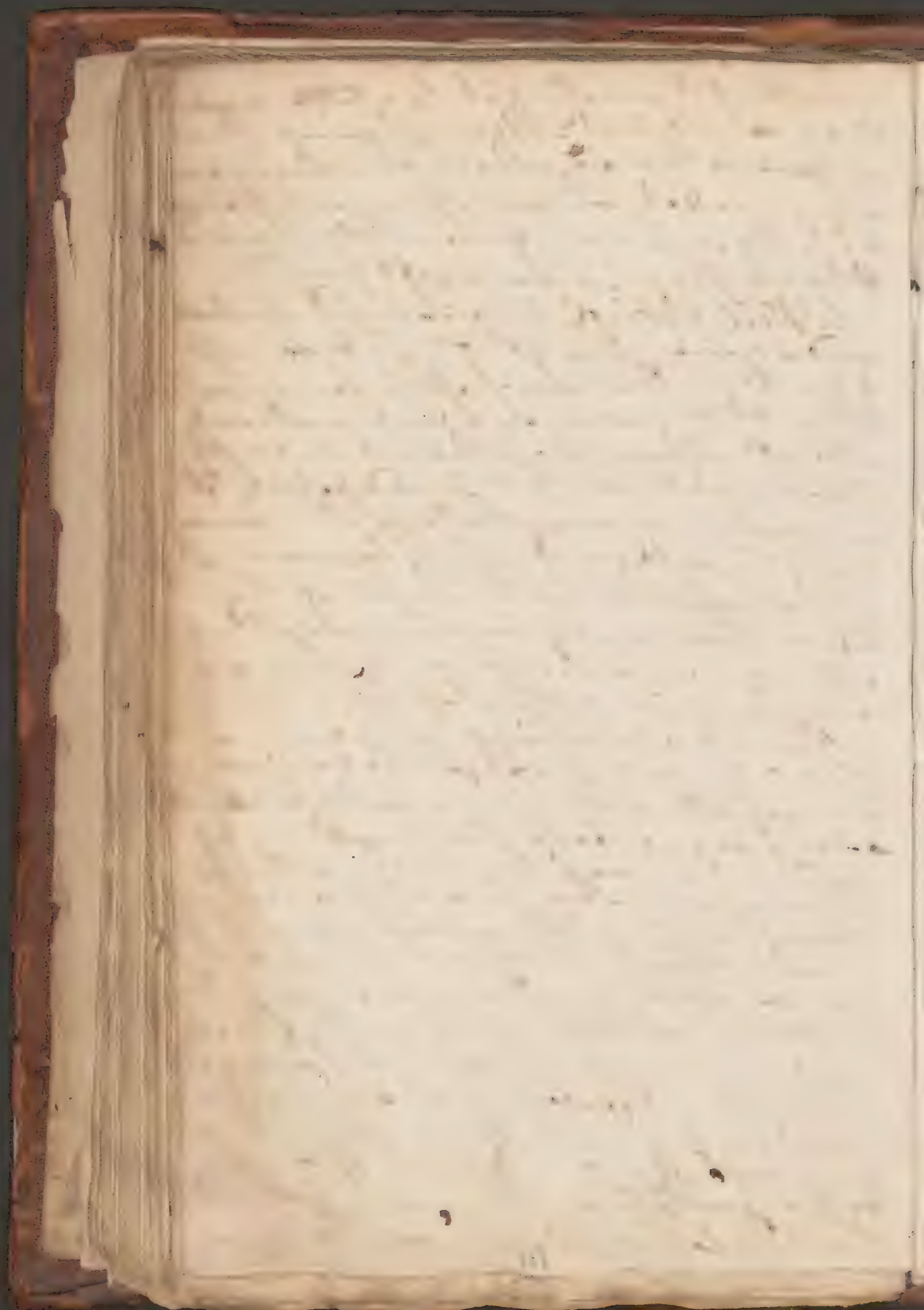
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*This is a copy by oleum - but then
releaves, both color*

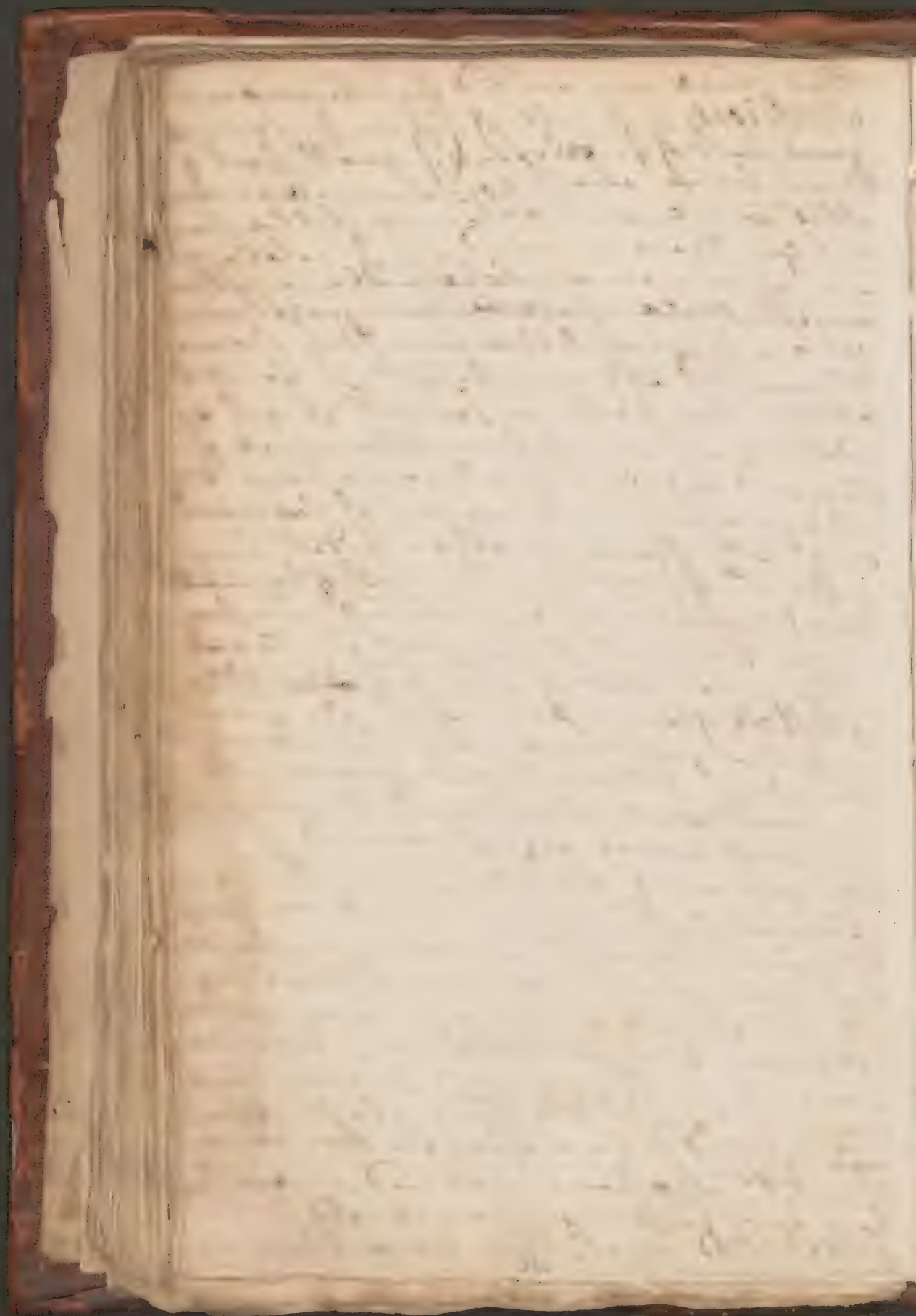
nothing it heating it to a little more
than a red heat - then exposing the
surface to the air when it becomes
very readily ^{the} an appearance of flame
a f. caly is a very fine white flower
entirely this is an useful prop.

White Vibriol is a compound of sulphur
acid & lime - This got from f. Decomposition
of hemites - It is very apt to be mixed
with a little green or blue vitriol
& much it may be when one suffices
it got used. Perhaps to reduplicate it
in water, & very stalling it - Lime
may be sublimed into flowers it
is the best prop. of it
Lime has only been used
either as an alkali or in the
one division of it.

There's an alkali. lime in a
3^d or 4th of water. appears to be of a
soluble both in water & alcohol
has of some taste the prop. by f.
ref. - This comp. by heat & through
then we make use of it as an
alkali. ref. to the use of f. ref. & f.
a bit of heat but digest in water
2 or 3 of heat - This also comp. to
untell. salts as ind. ser. f. f.
ref. juices a.c., w. are not f. f.
shiding. - The color is many f. f.
comp. in f. f. - This comp. by
and sold f. f. & f. f. f. f. f.
such a purple or to some color
the 1. class of plants containing



These juice are called by Linnaeus
stentiosa. In all of them I have
grow out of J. calyc. & J. quat. Part of
them have about 20 stamens or so,
altho' some, such as tormentilla have
but 4. Those common in J. calyc. are
aprimonia - alchemilla - agrostis
complanata - fragaria - quinquefolium
rosa - tormentilla. They have
but one J. calyc. & so as a string. In some
to trace. As J. calyc. & J. quat. to all of
sedatives in myriophyllos. Stentiosa of
flowered leaves of red roses have but
one as a string. In cases of Stentiosa
a J. calyc. from to act as sedat. in
inflam. of J. eyes. The root of tormentilla
has been given as an astringent. In J. calyc.
in J. calyc. it is a very gentle astringent.
The root of J. calyc. is the
Stentiosa of Linnaeus. It is a green
gallium - asperum - astringent. The
string of these plants appears as it
in our joints, at each of J. calyc. There are
many leaves grow of round. It is
the form of J. calyc. This
is astringent. The J. calyc. virtues have
been given to J. calyc. of various classes
by those who have written on
the Mat. Med. We find several
whereby J. calyc. is J. calyc. believe
in J. calyc. of them. J. calyc. many J. calyc.
have been J. calyc. to J. calyc. J. calyc. J. calyc.
was J. calyc. to be a specific for cancer.
Practit. who have not read much
have J. calyc. fallen in some old books
of Mat. Med. in J. calyc. have J. calyc.



imputed to Plants. As they had many
 thought of - then imag^d that they had
 got a measure - a northern of singular
 use - Hence we find of its utility
 to med. at length into fashioning
 a time - but they are soon rejected
 of - then but P. L. have no effect
 all - at least to good ones. It appears
 is a slight string^g - but not of the
 use in cancer cases - (P. L. time
 is much more dying - & but seldom
 med. the benefit as an astringent
 purging - It has been recommended in case
 of obstinate of hemorrhages - but it does
 not appear to be of any g. efficacy - &
 I never saw any effect of it.

The Vaginales form another small
 class of Plants. They are numerous
 but of little use in medicine - except
 in the form of astringents. Of these are
actaea, *hyssopus*, *agrostis*, *hystrix*,
hystrix, *hystrix* - We make use of
 of *hystrix* - The root of it has been
 an astringent, somewhat in cases of gonorrhea.
 The astringent of a herb is nearly
 in course. It makes it more proper
 to be used in astringent & purgatives.

Sect. 4th. Astringent cord.
 The next class of astringents consists
 of *filices* - There are several - *filix*
viridis, *lingua veronica*, *trichomanes*
 The astringent of *filices* are all more
 corded. They have been used in astringent

1st That is the end of it —

in reflexions on the lungs where there
is a great deal of air. I often see some
advantage. The filter must be kept
Linnæus, *Polypodium filiforme* (Kas)
is used to destroy bacteria or tape-worm
we are to pick off of the ground as it
early in the morning. The plant is
scarcely a slight supple as some
insects - ground as something. It is
found down after it is collected, and
strongly perfumed, as a rule, there
is a great deal of air in it. By this
permeability, it is more than
any instance of truly brought in.

The Mopes have also a kind of juice
which they have a great deal of. There are
some with the juice of the plant - for while
we find the plant in the ground
summer & delight as it was a
great. They seem to be as good as
glowing in the latter part of summer
in the middle of winter. Some of them
hardly grow, if the ground is cold
in the winter. They contain a great
deal of juice as we see from the juice
of the plant. Some of the juice
they have not been used in the
the cold ground in the winter. Some
second in the late of a seed
but the juice is not used
The next class is the fruit
are, quercus - *quercus* - *quercus* -
These have not been used as
in the winter - only some of them

a Negro suff'g of epilepsy was a dis-
in U.S. of C. H. was so much inspired
in the gods - whenever a priest
pretended ~~to~~ ^{to} deliver
an oracle, he w^d appear to feel
as if in an epileptic fit as if
the gods (but certainly they were
whimsical gentry) chose rather
to inform a man when in
convulsions than when in
his sober senses.

Darkwood was suff'g by the
accents to be a Polyphonic & a plant
heuff. if gave it to a Coline's must
I could have a holy Vincent & thus
midst a most unepileptic! —

in. But to smother some of the best. - There is
 an infinite no. almost of small bladders,
 from their roots closed at. are common
 in the edalane - as anchura (the
 has some of the small in cavity of the
 Calcutta, of flowers of J. from the state
 trunella - hypericum - lythrum -
 millefolium - myrtus - plantago -
 polygonatum - ranuncula - sedum -
 rubens quercus (or mistletoe) - The last
 has been particularly used in epilepsy -
 Mistletoe grows very rarely on ash
 but on other trees - It does not
 throw its root into the ground but
 takes its ~~own~~ nourishment from the
 tree - By this means it thickens &
 branches very much & makes
 woods much darker than otherwise
 they would be - It is almost impossible
 for that which is of the nature of wood
 to have growth so lax as this - Urtica, or
 J. common nettle is now hardly
 ever employed - Urtica has
 been supposed to be of the color of
 stone in the bladder & uterine
 passages - A stone in the ureter of the
 many in the stimulus & inflammation
 of interior surface of the bladder
 ureters or bladder - and pain of the
 It is secreted in the urine & excretes of
 of mucus, but of the part inflamed
 It is used to stop the secretion of
 of mucus is good, if a more
 viscid fluid is secreted - so far
 as it is useful - but it is more
 is not particularly so - for it is

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[illegible]

2) The best are given of P^r in Syria

3) Half an ounce is made
of the P^r of Decant^r - each is a
Dose

Cortex Fraxine is hardly used in
use - I have some of it in the
herbarium of the University of
Jodex quercus is a resinous, resinous
thing - The bark is of a greyish
color, of great quantity - Gall
are found in the bark, which are
in still greater quantity - Gall
form a bag or insect, which is
the tree - from whence there is a
quantity of fluid, in which the
egg - This fluid concretes round
the egg, & forms a roundish ball, and
when it is hatched, the insect eats its
way thro' the side, so as to leave a
cavity within - The bark and the
wood are small - of a bluish color, &
firm texture - They are used for
treaching sec. of, and running
to a round length - for putting
a stick to the horn of, and going on
slowly, & spec. of the medicinal
are often applied to the face, & to
cold infusion - and to restore of, & to
of the qualities of, is lost - They are
of the best quality - Their action is
is perfectly similar to that of the
of plants of, and are much more
more powerful -
Cortex veniculae & lignum
Cassia lignum has a resinous, & some
what diff. to of plants before mentioned
it is of a resinous, & has a resinous
nature of, & is a little resinous

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It will take a little water-bath, or
gum, & show it, it gives a sense
of astringency all over the mouth.
But if we use of. cold semina, or
in of. same manner, it only
makes the mouth dry, witht. I am
such sensat. as astringency. — H. H.
There have, be. empl. granting in-
cases of purg. as astring. —
But astring. we find, are find
very mucous. — but not a sense
purg. — claps of med. —

of It has been supposed that if I could see of
diff. parts of the body, depend? upon
their elasticity when they were not
brought into action & if they were only
made of diminishing contact was
by diminishing force of elasticity by contact
but it is clear if such contact is not
going to elasticity for all of motion
each of the body are constantly more
than their elasticity and contact them, as
we see by this contact being lost
after death. This loss of life does not
imply diminishing elasticity, there must
be some change in the matter.
Therefore their elasticity can be altered but
not of life with such chemical change
as loss of contraction.

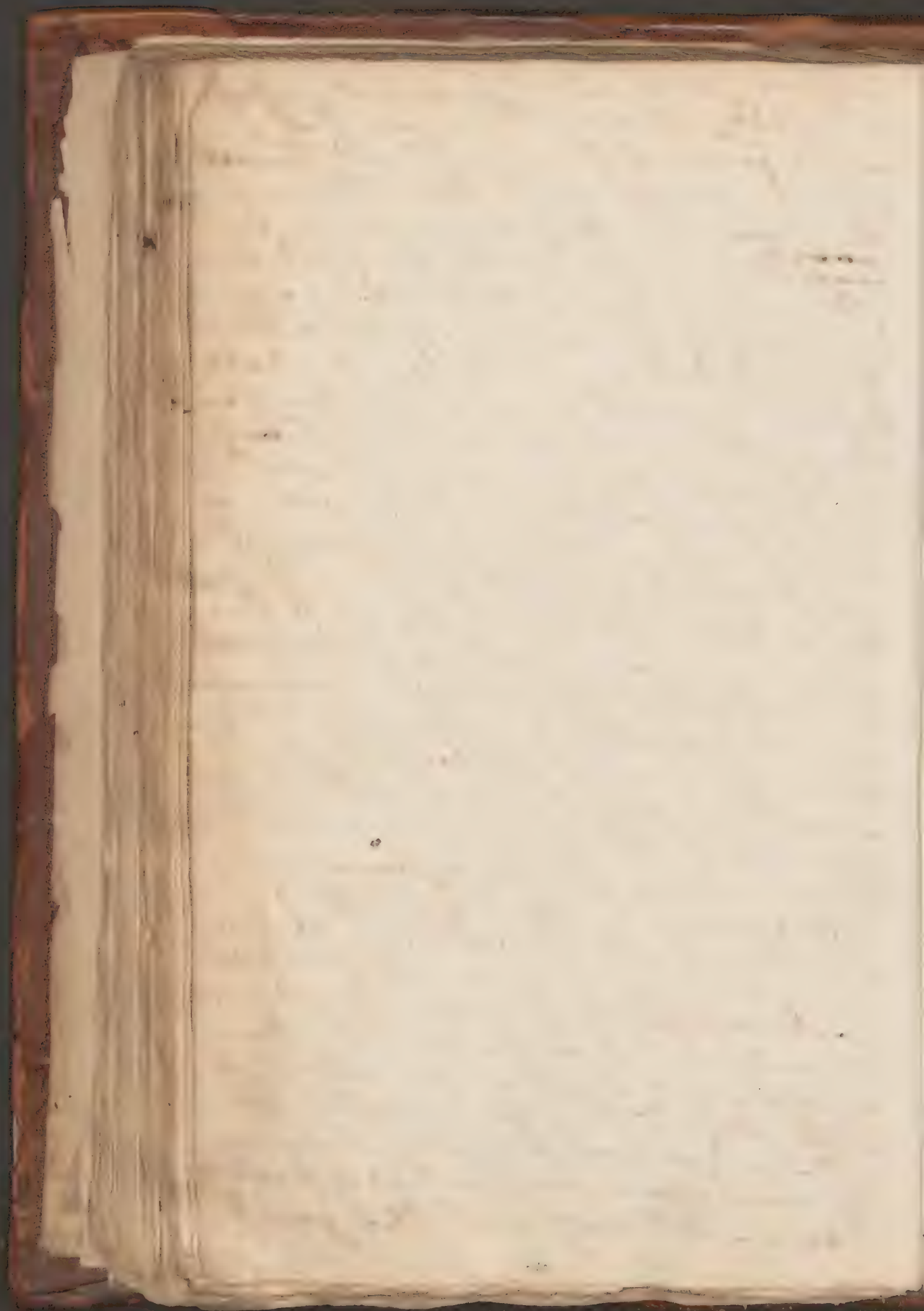
Sept. 41st Of Rheumatis.

Relaxing a clasp found, a B.
not to be seen? by my author's hand
who has written just before the J. M.
M.D. — Affman & son. Then for action
Winters the many places taken, the
of clasp — but I, seemed, no more any
under this clasp have been covered
ready made, then speak — J. C.
has and joined this clasp in his side
of M.D. M.D. — having been treated
then under my hand of rheumatism
m.D. — Now it is, clear within the
has by no means any relax effect
but in J. M.D. found, great, contraindication
(a) Relaxed, & relaxed all over the head
it is very true of J. action of none
great, universal relax — but it is, a
of course — for it is a still after it is
carried off by the majority of, from relax
takes off, — They are certainly the
the, improperly covered, & no more
great, sickness — found, since this
found, has been covered, by author
of the M.D. M.D. it is still in the
the, the same substance, for it is
we may take it as this, great
an exact, may be covered, by, a great
flow of blood from part of the head
and part, the great, may be covered
and by a few, the great, the
only thing of J. M.D. M.D. M.D.

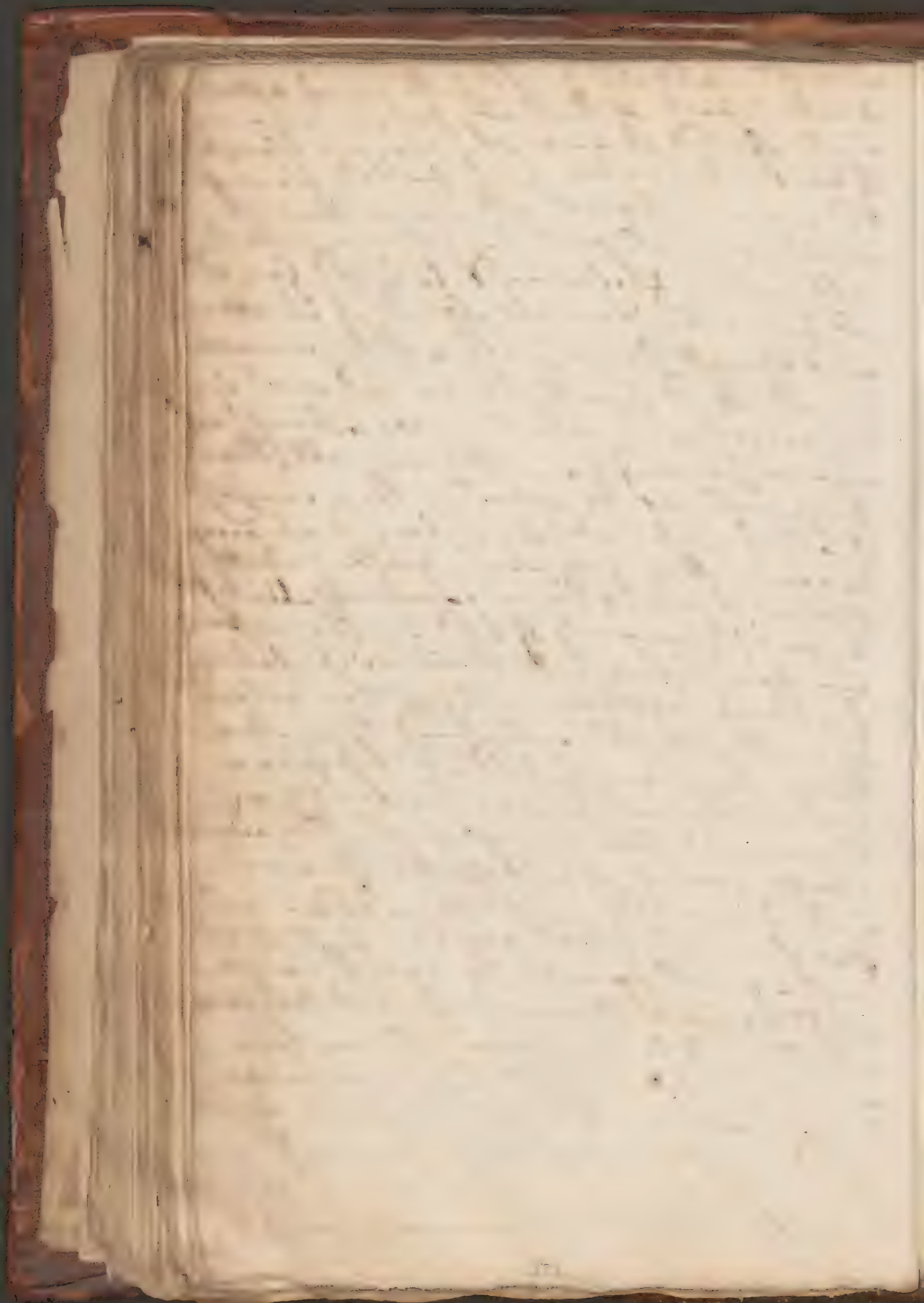
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Main body of handwritten text, appearing to be a list or series of entries, though the script is very faded and illegible.

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involuntarily - and all of the blood in the system
is inter. parts of the body begin to move
involuntarily affected at one and the same time
it does not make any particular flow of
blood in any particular part - nor does it
stand to great use of the system
blood vessels, therefore to the blood for it
and have the reverse effect of it seen
and therefore there is no other reason
in it. It is good to know that the system
by accommodation relax. As a thing is
more powerful in the small than
large vessels so to relax. - This is in part
of all of the system. It is enlarged at once
because they are all of the same size and adapt
themselves to their contents. But of
by one of the quantity of blood in the vessels
we can not get their size. But in
of the whole together - Relax. is a action
an all of the blood only tend to make
them jump and of the blood a little force
just as they all move hand by an
the small than large vessels. They are
a large quantity of blood to be thrown
into of small vessels & so to diminish
of in the large ones. But as it
is a great power to contract large
vessels to adapt them to of blood. They can
relax. and to weaken the system
account of action of the living force
to be chiefly exerted in the large vessels
Med. part of relax. are power of
their effects. I am extremely in
accordance with the universally accepted



for many Pract. have considered
not belong to practice. Capes but of
powers of each, separately - the action
formed. being is not so well ascer-
tained if one can with any g. of
certainty reduce the most practice
Capes - There are many med.
for int. g. some Pract. have
carried as stimulants & others
as sedatives, & therefore I remember are
very good ones, but come under
this class. have fug. & not permanent
effects.

The time shall mention accounts
of neutral salt. have been very much
employed in med. - Vitriolated tartar has
been supposed to be so useful in a variety
of cases, that I am very sensible it
has been written with regard to it, one
might conceive if it alone was g.
forming almost every g. incident
to the human body - for which g.
appellation of sal inuidum, it is
a stimulant - under g. of sal
prescribed a sedative &c - Most
of neutral salt as purg. & others
have a disposition to excite menses
& putrid matter into g. of int. - it has
been given as purg. & C. tartar
salt - soluble tartar - polyphosph. & tartar
On g. contain neutral tartar. but
now much in use in London
I name of sal polyphosph. & with
digestion with g. of Sulphur, & sal am-
moniac salt to act on the liver
We may observe the neutral salt.

last I think it has been observed, prod.
very ^{the} degree of strength for the
time & I thought this equal, a man
who had been in the war in danger
of being killed by a ~~ball~~ faintly
wounded by a musket ball so confid.

W. G. F. had enquired in this class
of quills & aconitum - but he is doubtful
as to their effects & has therefore referred
them

to make them act more and more
strongly on more and more of the
same saline neutral salt in a
large quantity of water - or if one must
of (Pott) much a large quantity of water
immediately after having swallowed them
it tends to carry them down to the
intestines - but if one give them first
in a small quantity of water they will
act on the stomach & in the latter case
they sometimes produce a very disagreeable
effect - I have seen going sickness than coming
in general they are chiefly in small
doses tho' they have been used in various
doses of nitric acid & other acids & in
various combinations of oil or of wine
act as a pump - For 30 grs of spirit
has more effect on gastric juice
than 5 - rarely so much as 10
The same has been recommended in
larger doses - Digested salt of Sulphur
has been given in 1/2 dose of 1/2 - and
ammonia - I - Its common juice &
Minderer's vinegar are of a very
different strength of quantity & quality
distinct in effect - Minderer's has been
used in proportion to 1/2 strength of
either of these - but it is much more
than 1/2 of 1/2 dry salt has been
used - more gently 1/2 - 16

They gave it to the sign of drawing
(I. heat). They said it came to the freezing
point for they gave ice in large quantities.
It is felt as a cold & burning
to the side, sometimes - so that the dis-
ease might carry off

Sept 42. *Relaxant* (continued)

of the nature of Antimony.

Cold water was a useful thing
anciently, in fevers particularly. But
it has been but little given by the
Moderns - for as the same has been
used has arisen of various other
given to it, in a general manner.
It was not warm to it, we cannot
say for our own experience what
the effect of it will be. Others however
think of it. Moderns have not
in given it much.

Spasmodic is a sort of a plant
which grows in warm parts of
America. It was first used as a
stimulant and as it has a strong
stimulant to the stomach it is quite
certain of good service, than
any other stimulant. But its effect
is more entirely confined to
the gastric powers. It was formerly
used in the stomach to act as a stimulant
in rheumatic cases & cutaneous
diseases - then in dysentery & it is
but lately that it has been given
in general effects of it. It has been
as a relapse. It is a very powerful
relaxant and where there are
any of it it is rather dangerous.

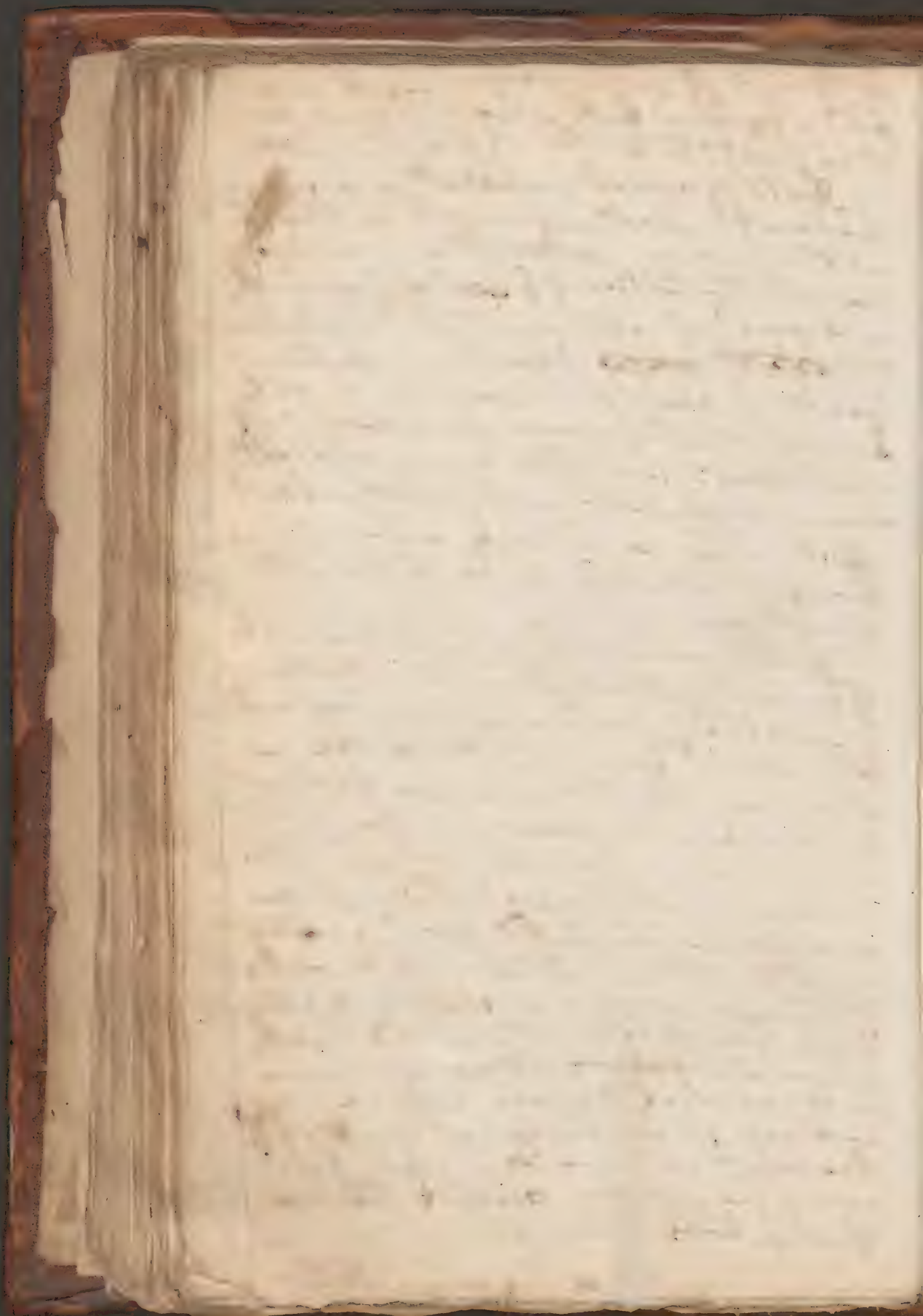
(a) Dr. F. believes it altogether, not
less than 2 or 3000 diff. ~~Dr. F.~~ chem
Dr. F. have the ~~professor~~ ~~Dr. F.~~ made
in the ~~Dr. F.~~ ~~Dr. F.~~ but all
with nearly the same effect of ~~Dr. F.~~
but a good ~~Dr. F.~~

(b) This is a mixture of the good and
the bad of the ~~Dr. F.~~ of
with a ~~Dr. F.~~

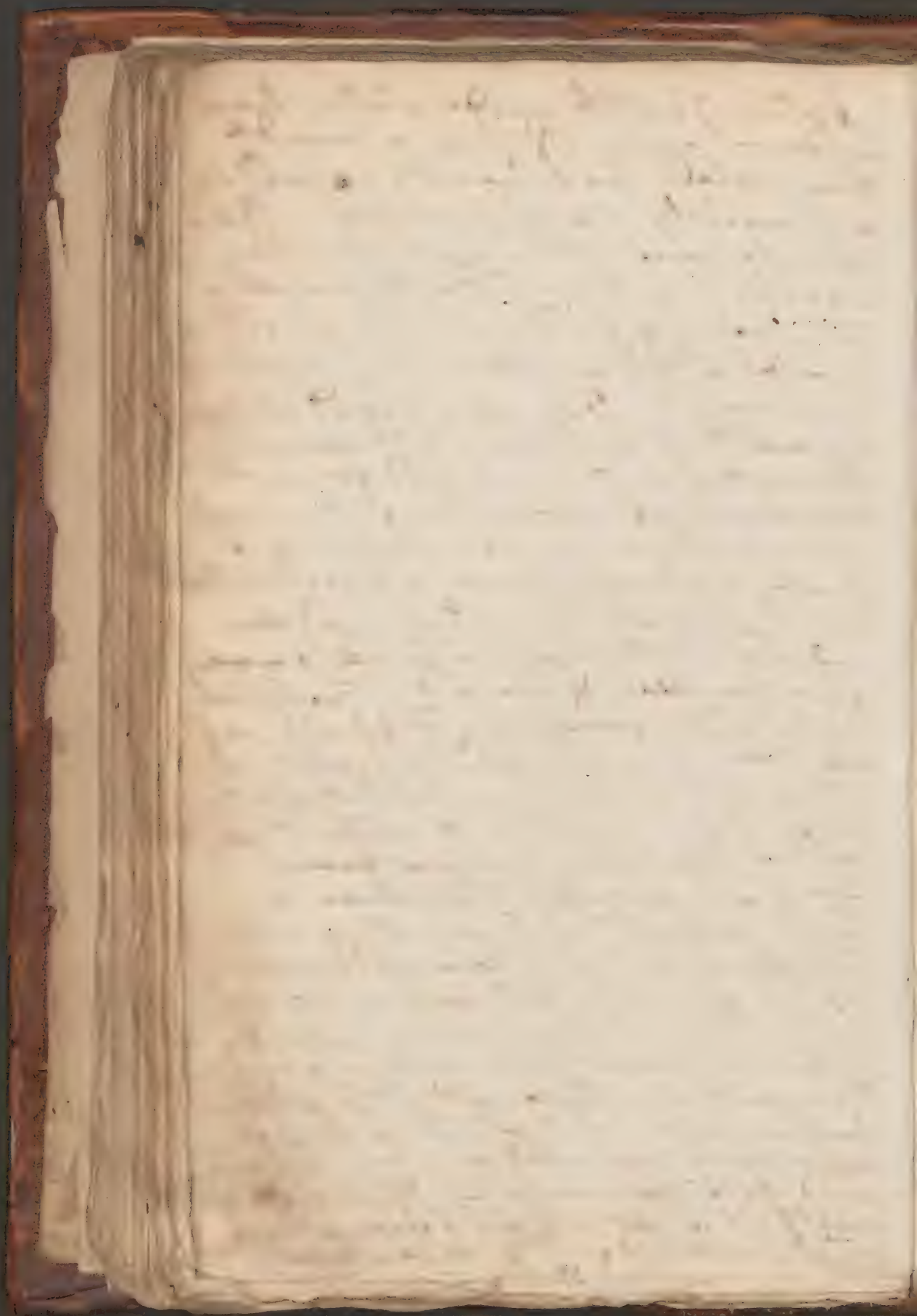
to the use of Antimony, which is
for - but in fact, where there is
it is best to use it in a small quantity.

Antimonial preparations are very
powerful, & last so much so that
a little more, rather than more can
be got the better of & each of Galien's
uses come of. all med. In the latter
part of the 18th century, Antimony
has been a constant source of all
diseases - its power in curing of
acute dis. has often been considered
a very brilliant as it has been. and
effects - This last, care, antimony has
been followed by all kinds of chem.
operations.

Antimony is found in the bowels
of the earth, like other metals, in
the metal & great a regulus, being combined
with sulphur, forming a blue ore - &
also combined with arsenic forming
a red ore - The ores of Antimony
are things of a red color, and this
is called the regulus - The
ore is easily purified from the earthy
matter, with which it is mixed - and
from the ores of the metals by melting
it in a clay, melting with a red heat -
when in fusion it is run
into conical crucibles, where, by
cooling it forms a regulus & crystals.
The regulus is towards the top of the
crucible has more metal than
it is of here -



Antimony in its crude state, has
seldom any effect as a medicine
The metal: has been used for
a great variety of different purposes. It
will have little effect - by
melting antimony ^{with} for the time being,
its weight of fixed acid. alk. y. alk.
united with sulphur & of regular
is present - This also procures a large
by melting antimony in iron
The rep. of ant. is simple for several
economical uses - therefore it is soft
at hand - Thus we can procure it
easily soft, very pure & cheaper than
we can separate it - This soft &
reduced at the same time to a very
fine powder, & mixed with sulphur
by taking the compound of alk. & sulphur,
which is present by melting it
with 4 or 5 times its weight of alk.
dissolved in water & apply of an
acid - The super sulph. compound
of alk. & sulphur² / Diposues a
large proportion of sulphur & when
super sulph. is decomposed by applying
an acid of sulph. falls down & the
rep. with it - This has been called
Sulphur auratum antimonii
The metal is not combined with sulphur
but only mixed with it - & therefore
capable of being acted on by
acid of the stomach - It is therefore
easily acted on by the fixed acid, alk. &
we can procure it, with great ease.



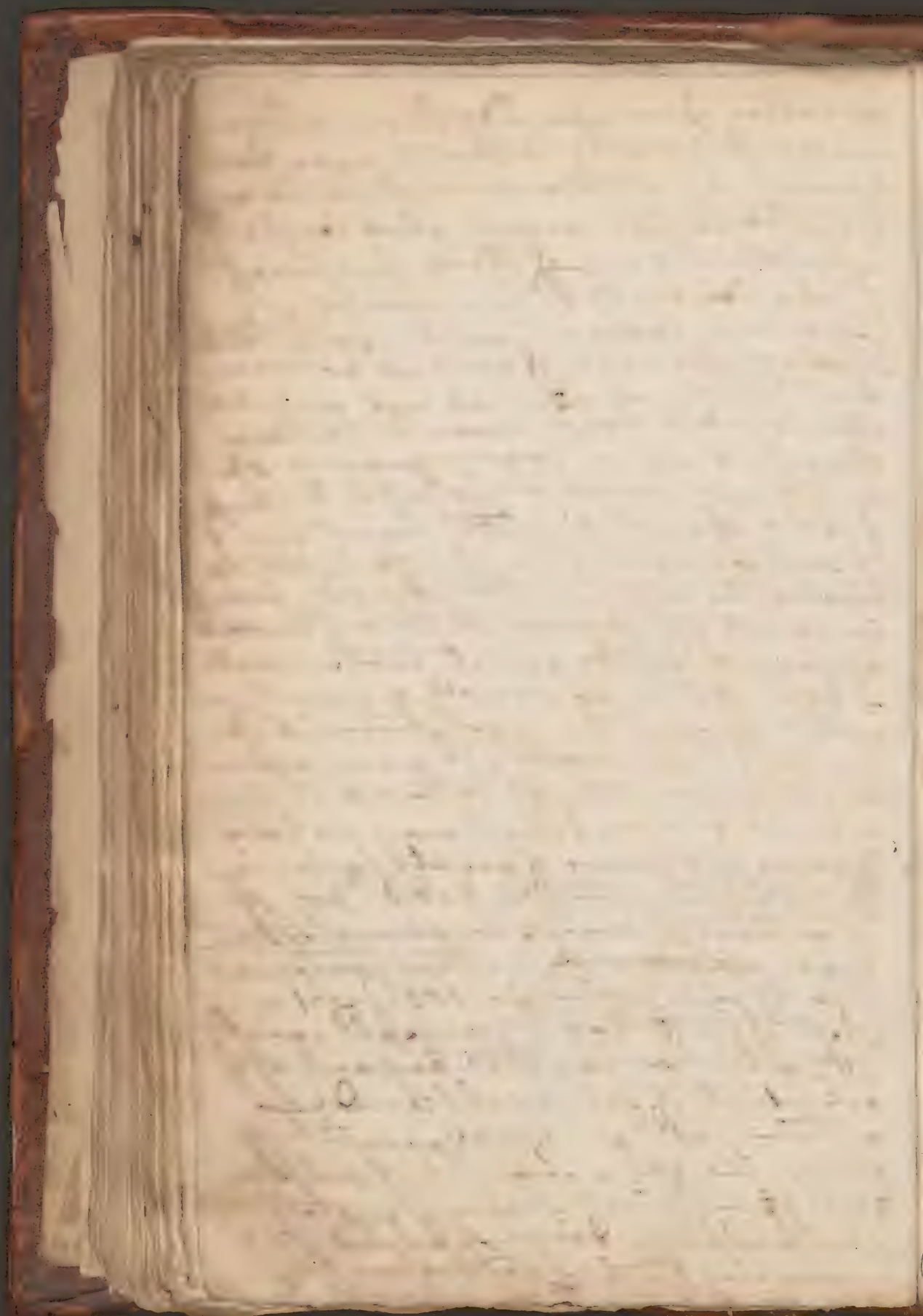
in water - then, pour off the decoction
and stand exposed to the air. The
sulph. is also used - & is composed
of air & decomposed it so that sulphur
falls down mixed with irregularities of
antimony - This has been called *hermes*
animeral - Dignity has been
calcin'd - poured into 3 times its weight
of water then deflagrate & mix the decoction
of sulphur & forms a white vitriol, & it
is decomposed of irregularities of antimony at the
same time & calcines it - This mass
is called *cell antimony* - It has been
given inwardly when it contains
a quantity of vitriol tartar & a little
superficial salt - It is also
has also been calcin'd by mixing it
with an equal weight of hartshorn & then
putting them together into a crucible
& melting them - This mass is
afterwards to be poured & calcin'd
saucer on a reverberatory furnace
or under a gruffle & exposed to the
to a heat which is to be used by descent
as long as any vapor will rise from
the mass - It is thus reduced to a fine
white powder - This is the calcin'd
of Dr. James's powder which is good
for a bruise & this is a tartar
quartz. The sulphur of antimony is also
been calcin'd by mixing it with oil
& precipitating it - but this calcin'd
now little in use. - The sulphur
of antimony combined with tartar
acid & forms a compound which decomposes
by water & is therefore very unsteady

2. No. 1. 1/2 pint of purest am. tartar
or purest pure. is of yellow - 1/2 pint
of cream with 1/2 pint of water is a compound
dep. of am. & sulphur, any quantity - shall
it is water with about an equal weight
of tartar, better too little than too
much) for 8, 10 or 12 hours in a glass
vessel - The am. unites with the dep. of
am. & sulphur - fine white the
whole white, not so thick as to easily
use, shall produce a granular of am.
tartar in crystals, in frame of a yellow
line & useful more of the matter, will
shall produce refuse of the crystals
this am. tartar is more apt to
act on the stone, at a higher temp.
than of. in. & so acts as a relax
than am. tartar the same prop.
No. 2. of. latter is never even

in the process - I perfectly agree that
it is a very acid - but is rather ad-
ding it - It contains the mineral, and
the mineral matter is I suppose
sublimed & per se a distillation
is better if antimony so called
Butter of antimony is a very good
thing - as a caustic - But it is
as it decomposes so readily on the
application of water - It contains
the same forming it is similar
to the same thing as the other
and as it is a very good
acid by an alkali or glass of antimony
or a compound of sulphur & antimony
which is used in the preparation of hair
oil & some of the same with glass of antimony
it is a very good thing for the use of
the skin - a compound will do the same
thing is just some little variation
in the preparation of a small amount
a very small quantity in the
of the process of the same
prod. used. It is a very good thing
to - for there is a small amount
course it is diff. for a very little matter
in the process - It is a very good
to make a substance - for a compound
they are perfectly as good as if
acid. but it is a very good thing
much the same as made, & the
salt is a very good thing
in a small amount - the salt is a very good
antimony is a very good thing
It is a very good thing - but it is a very good thing

a, R^{ex} Tartar. Imitici gr. xxxix Solue
bulliando in Ag. R^{ed} 3j. L^olutione
fere bulliendi addet
Vini Albi Dulcis 3ij M^o
L^olutione 3ij v, Sopra 4ta 3ta vel
6ta grad^u h^ord. si nausea iⁿ a
superueniat.

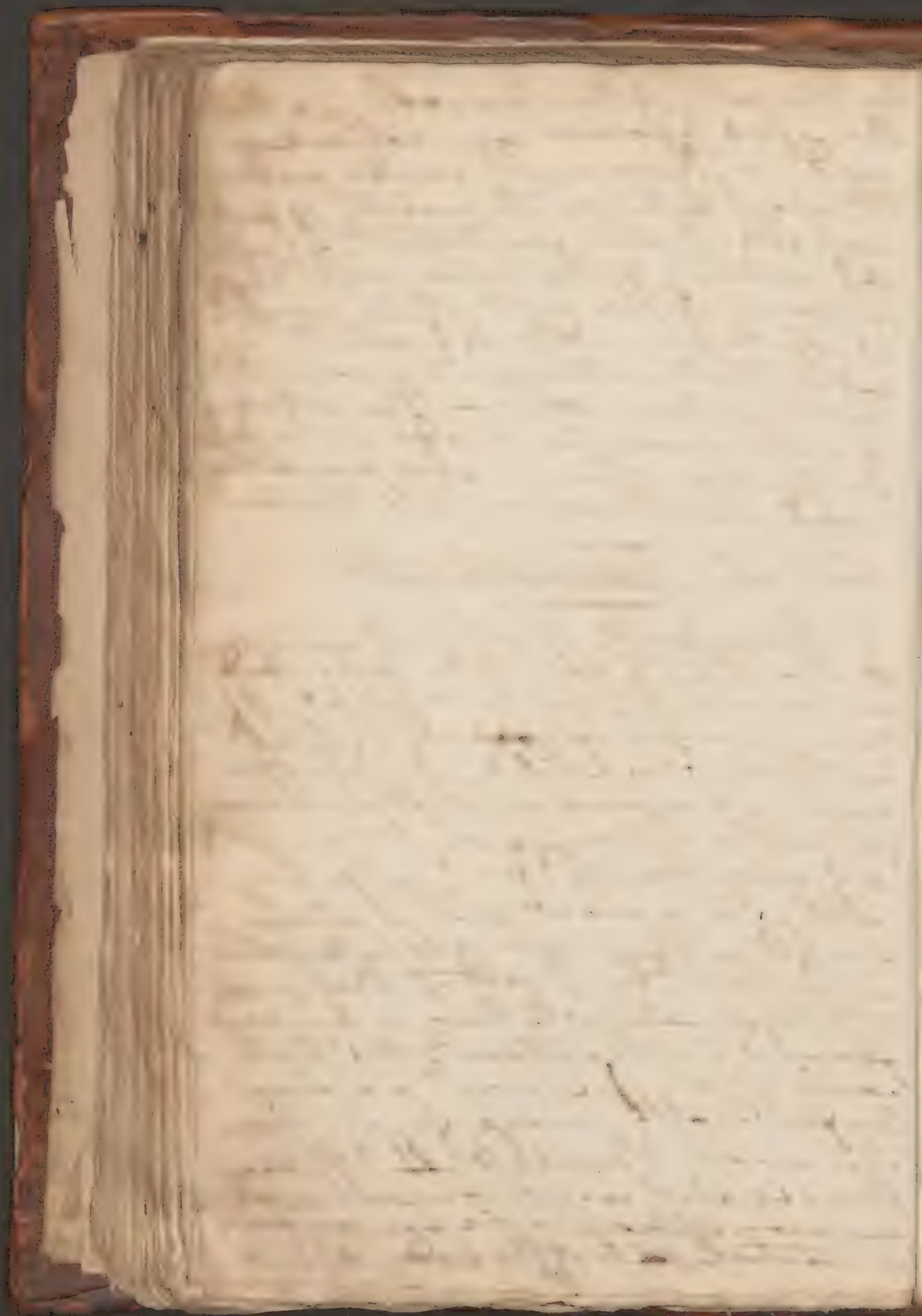
smaller dose consid. than when
used singly with tartar. I was, how-
ever, not till some time after
the tartar may also be used
by digesting any of these preparations
of the tartar in wine which
contains tartar in it for 7. days
before the use. Many of the
ancient tartar - But as we are not
able to judge how much tartar
there is in a given quantity of
wine, we cannot possibly know
of the dose of wine with tartar
itself. This is the better to
dissolve the tartar in water, for
in wine - it prevents its being
used. We cannot make tartar melt
in the dose if it is so small a quantity
with. Having it in solution - & if
we dip it in water, it runs down
from the paper. Hence to have it in
a fluid form, I have made it so
(a) Dissolve 4 grains of tartar in
1/2 of boiling water, & add 1/2 of
magnifying wine or some other
wine, ~~and~~ and - This contains
nearly one grain in 100 parts -
Dose of an 1/2 has been used. can be
in the sulphur as it is dug out of
ore - but if we melt the
antimony with an equal weight of
nitre, we get a compound of sulphur
& antimony - which is a metal
which sulphur does not dissolve in
antimony, for the action of the



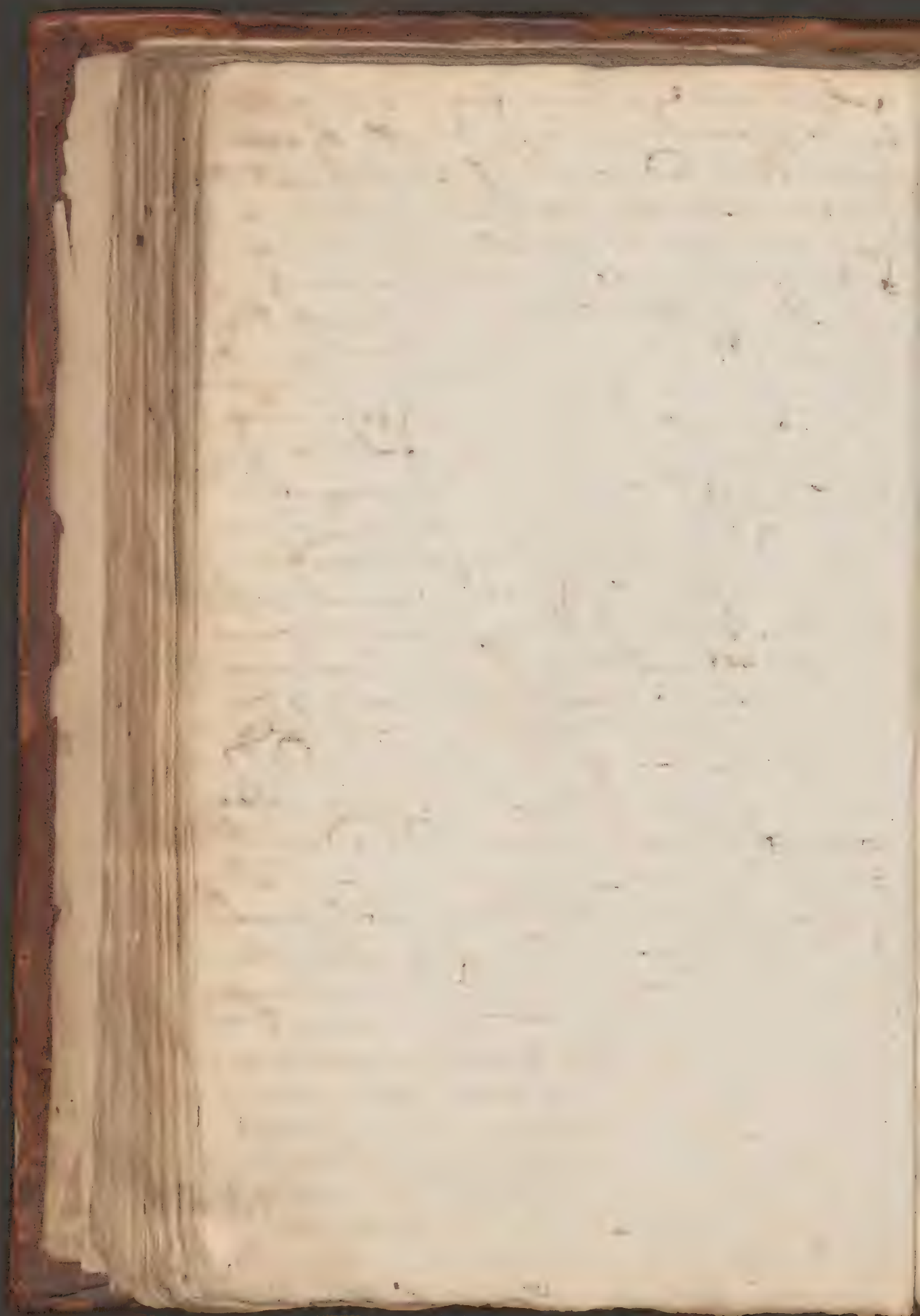
key the salts of the stomach - as the
this also proves are active
med. - Have much crude anti-
about 4 times its weight of ju-
res? alk. f. alk. unites with
of f. antimon. & the hepar sulph. & f.
laquan of the res. - This compound
is soluble in water, & of solute
called tinct antimonii - some
tinct. antimon. acris - The saline
of ant. may be made into
by fusion - This is also an active
salt. when thrown into the stom-

Sept. 43. Tetrapant cont.

These prop. of ant. are not
as we are in f. salt to be depended
on, consist of f. reguline prop. - by
these properties medicinal is of. it
has lately exhibited - f. glass of
antimony & crocus metallicum
(or last time, has rarely been used)
& f. calces precip. f. f. acids by
alk. w. are now not at all
used - They require to be dissolved
in f. stom. by f. salt of. They are
with these - Some there is an ac-
formed in the stom. tho' but
rarely when f. stom. is in
perfect health - more frequent
it is weak, & diseased. But then
there is also common set - as
common of morborie ammon.
(f. neutral salt of the body, & the

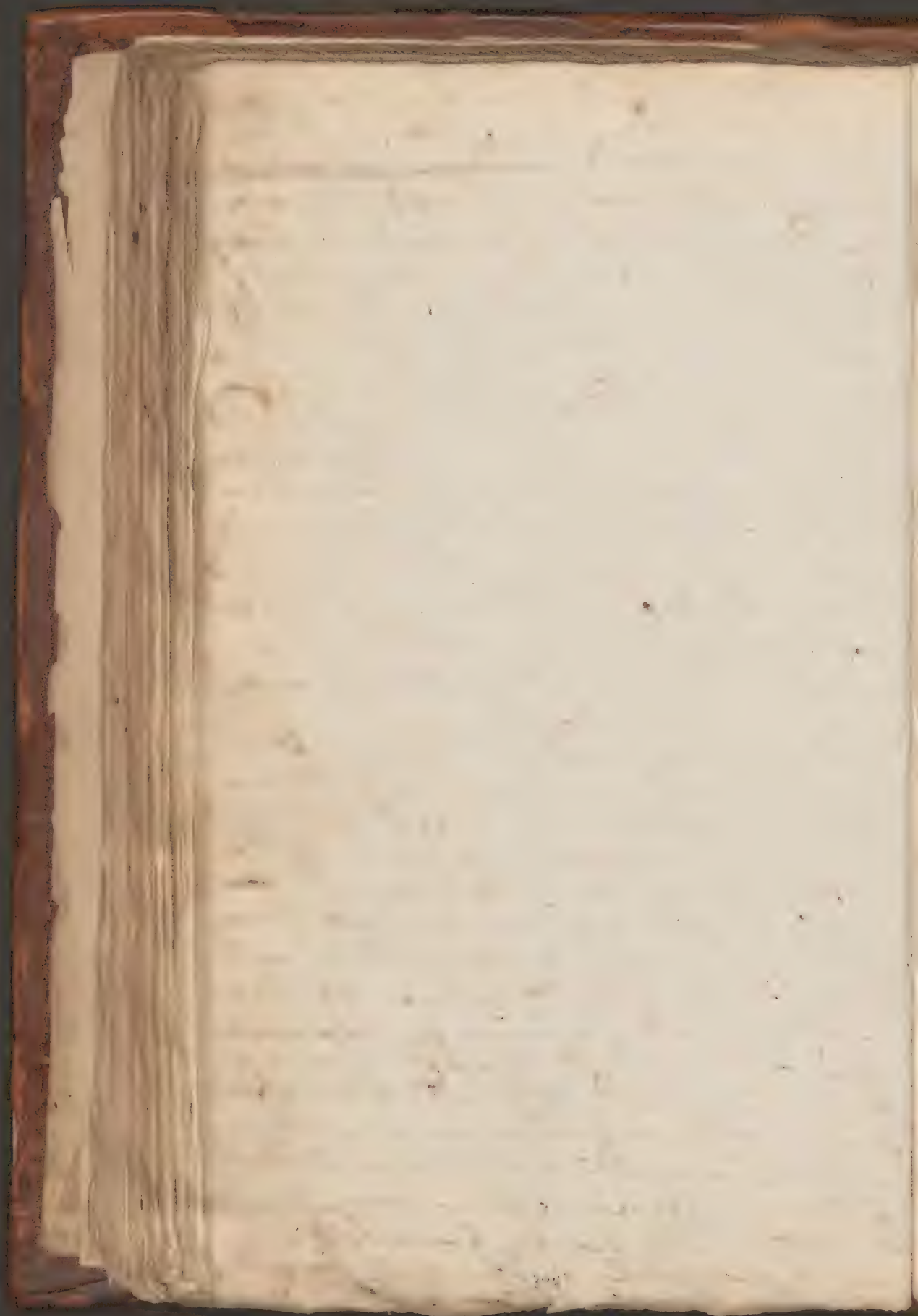


gasp for juice. — There are 700,000
in the storm. — These people, I think,
have this advantage, if, as the sailor
goes on slowly so their action is
for a longer time, & less of a time
& therefore they act more purposefully
in respect to the subjects they
they brood. — Indeed the other hand
they are very uncertain in their
spirit & have this mischief befalling
if they mean they may fall to if
bottom of the storm. & remain
there till they be accented in
coined quantity. — Then act sudden
with violence, & break down the
to such a degree as to do a great deal of
mischief. — If this W. H. had seen
our instances, — — If I could
enter of these more of effect
and the latter of can be repeated
upon, if has rather to be made
more of. It has a covered advantage
of itself more uniform in the
action, provided the other also prepared
I am sure — The Edinburgh
College have changed their prayers
of proposing it — but they have to
likely been forced of innovation
taking in the proposals & I am sure
when new religious — They have
prepared it with calm & attention.
Now it is that if it is of. could
be in the of. value is more ready
ground — is much better, and

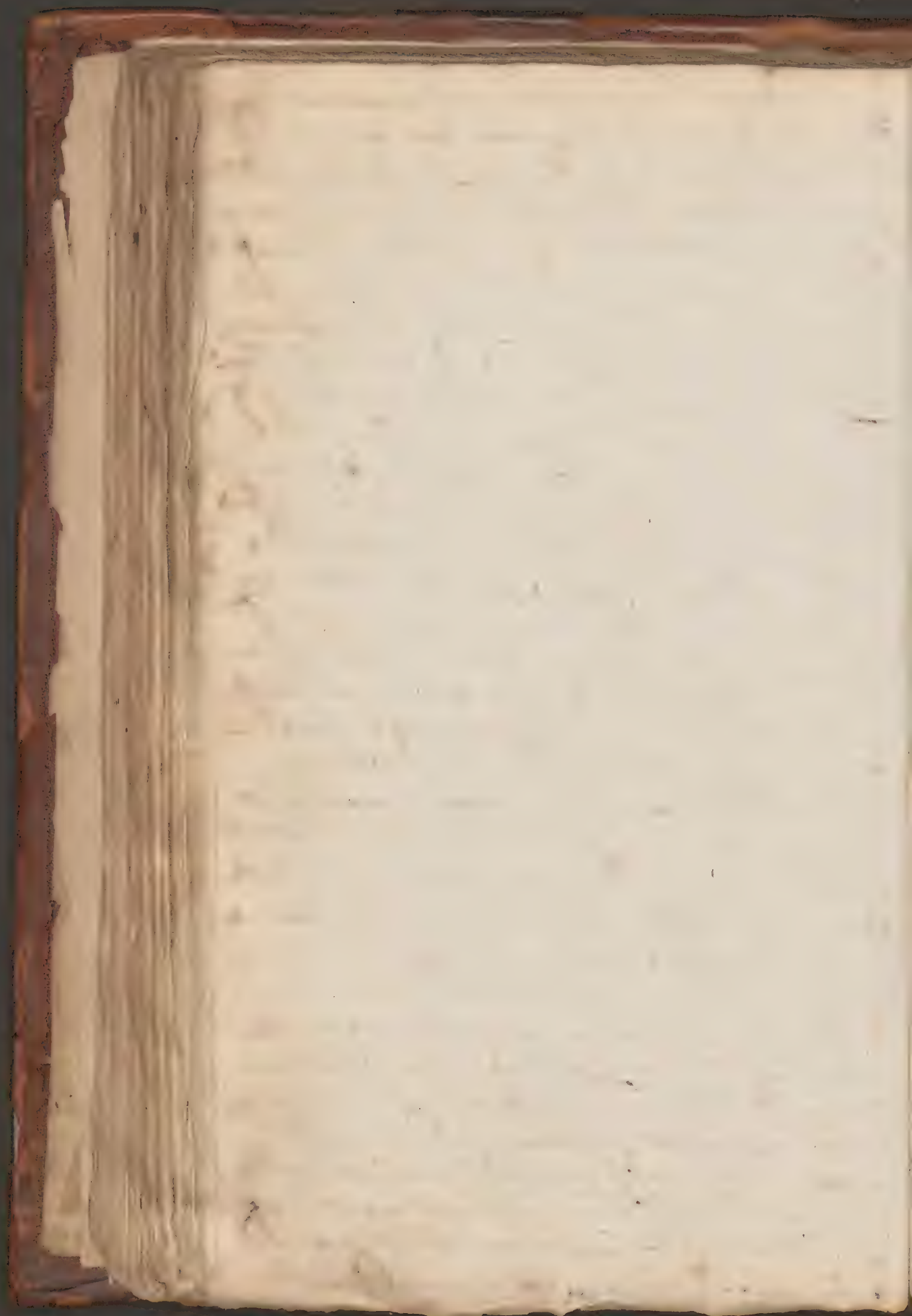


in shell, into larger crystals, &
more soluble in water. but the
more acid - and ~~the more~~
simple tartar is already too
acid as it is in fact small a dose
for a quart to a 3? of a grain by 1/2
has lost quantity the tartar will
give heat with the richness - There
are many acids we have not
yet attempted to be combined
with antimony - The other
properties of ant. are contained in
the above is 1/2 inch antimony
but it is too stimulant to be used
in acute dig. - There are the
very same some consider it is
relaxing - very probably there are
many more.

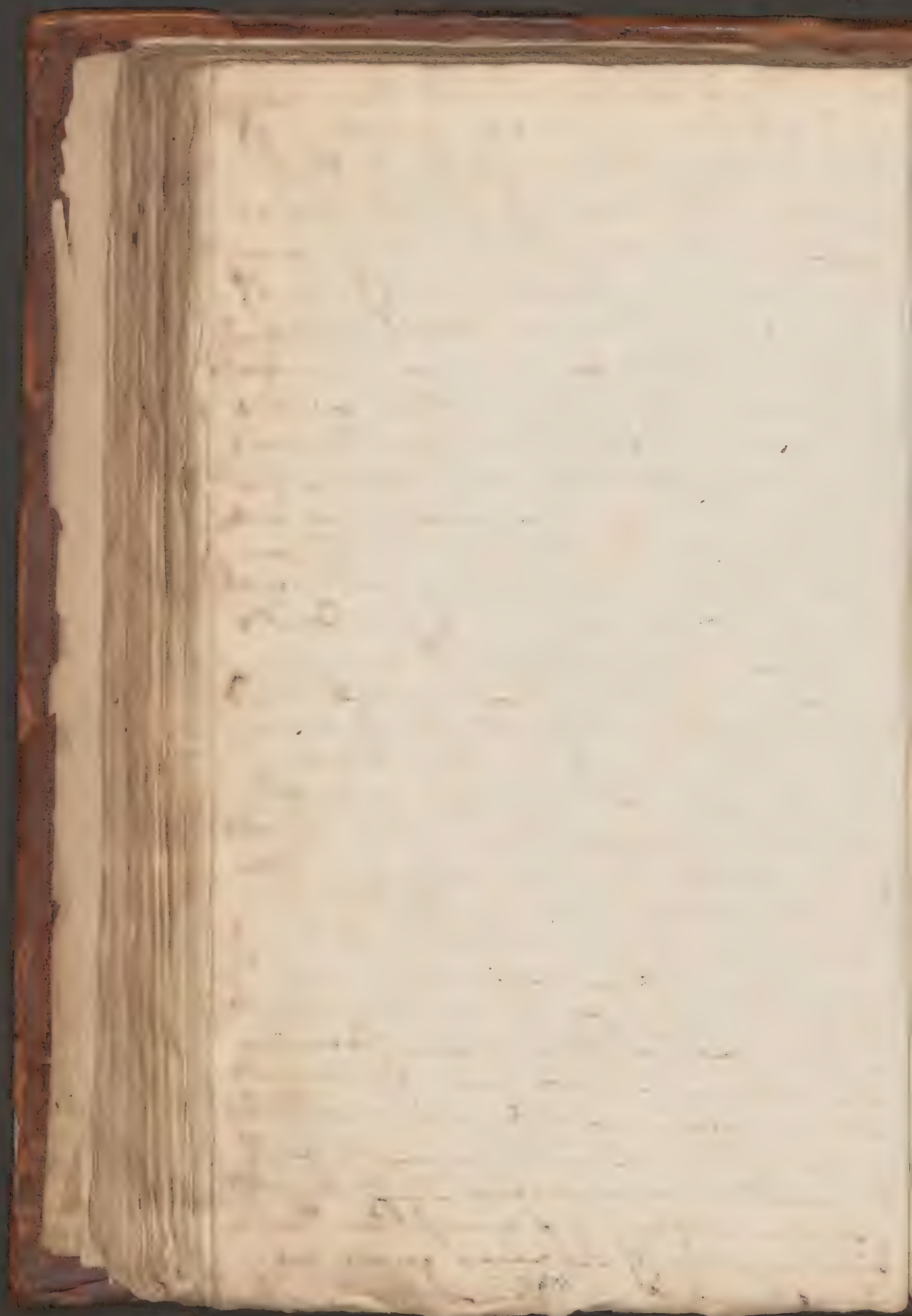
Relaxing are med. it have on
simple the very compound in
many forms - In fact there
is conflict in various parts of the
body - if spirit is dry & cold &
all of secret. are diminished & there
conflict of secret. organs that ant.
of system - Relax. tartar of the
conflict prod. a crisis by the action
of the tart. - But if a tart. tartar
be given in the tart. tartar. This effect
of secret. follows in the
case of many on the exhibit
of them. Phenomena is now known
I think they have formed
have not only of secret. organs
the same as tartar.



Empirics have succeeded in
this dis. — But it may be seen
that there is no one single remedy
it is proper to be used in all
cases and disease — Cautious
detraction being the spirit of empirics, it
contemplates the propriety of giving
remedies which are looked upon as
being in all cases all the best
remedy in a case. — When the
nature is very bad — full of
it there are signs of it. Head being affected
such as internal pains in the
head — redness of eyes & it is proper
in that case still we have seen
these symptoms of it. it is improper
to completely reject in fact — at least
such as have some proven effect —
It is true if they have been
exhibited in such cases so as to
cure it. dis. — but there they have
also been employed so as to do a great deal
of mischief — but if I have done
in an Empiric in treating a
dis. no more attended to —
2nd Where there is weakness &
a disposition to partial secretion
towards the end of feet. — In these
cases cannot be compared with
a vessel of blood coming out. I rather
weaken the feet. — In all cases
of Rheumatism in intermitting cases
the most successful is a small dose of



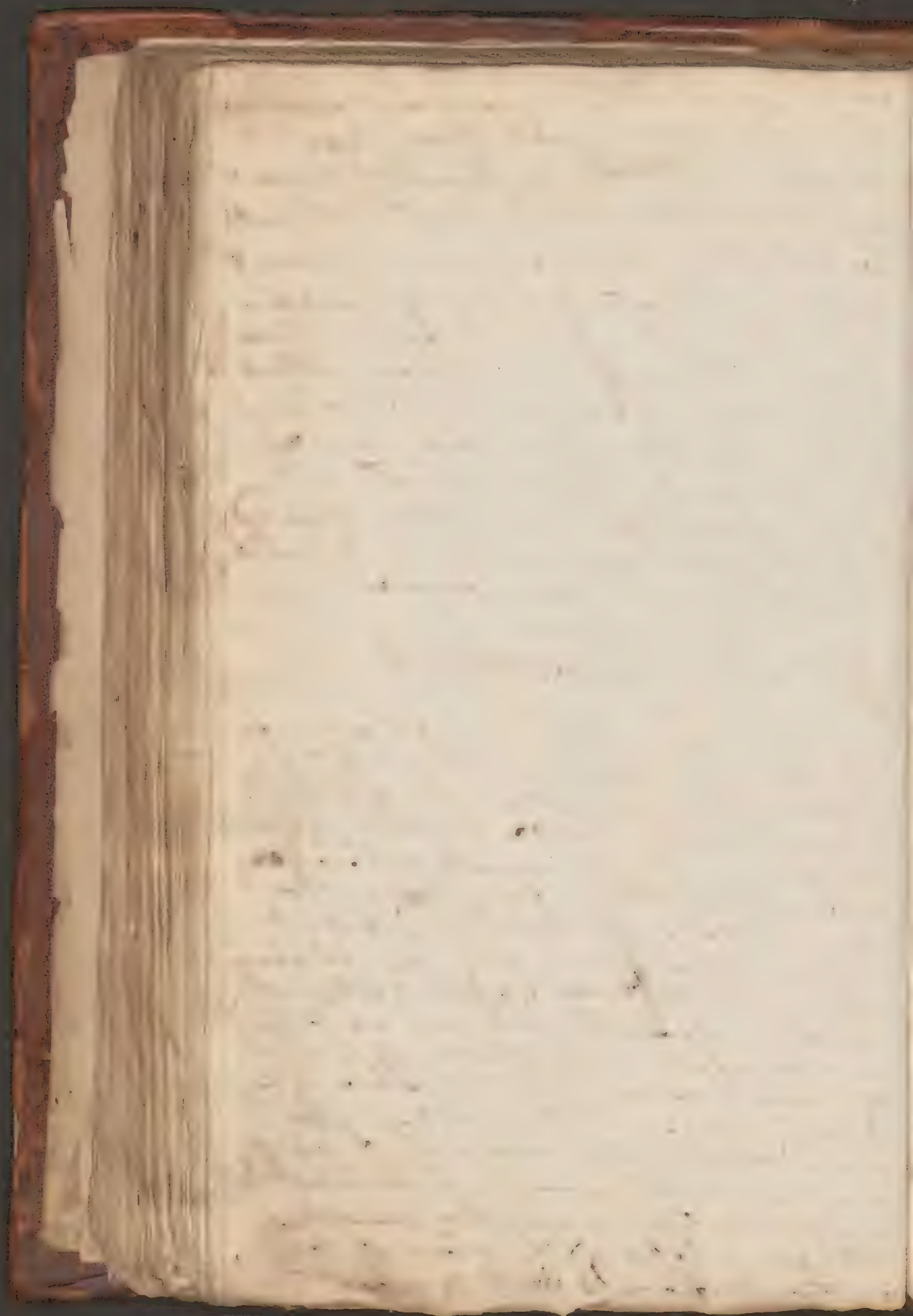
compound. I am aware - and they have
 also a better chance of curing
 I. & B. The 1st dose of 5 grs. of
 I. & B. 2d. 3d. 4th. 5th. 6th. 7th. 8th. 9th. 10th. 11th. 12th. 13th. 14th. 15th. 16th. 17th. 18th. 19th. 20th. 21st. 22nd. 23rd. 24th. 25th. 26th. 27th. 28th. 29th. 30th. 31st. 32nd. 33rd. 34th. 35th. 36th. 37th. 38th. 39th. 40th. 41st. 42nd. 43rd. 44th. 45th. 46th. 47th. 48th. 49th. 50th. 51st. 52nd. 53rd. 54th. 55th. 56th. 57th. 58th. 59th. 60th. 61st. 62nd. 63rd. 64th. 65th. 66th. 67th. 68th. 69th. 70th. 71st. 72nd. 73rd. 74th. 75th. 76th. 77th. 78th. 79th. 80th. 81st. 82nd. 83rd. 84th. 85th. 86th. 87th. 88th. 89th. 90th. 91st. 92nd. 93rd. 94th. 95th. 96th. 97th. 98th. 99th. 100th. 101st. 102nd. 103rd. 104th. 105th. 106th. 107th. 108th. 109th. 110th. 111th. 112th. 113th. 114th. 115th. 116th. 117th. 118th. 119th. 120th. 121st. 122nd. 123rd. 124th. 125th. 126th. 127th. 128th. 129th. 130th. 131st. 132nd. 133rd. 134th. 135th. 136th. 137th. 138th. 139th. 140th. 141st. 142nd. 143rd. 144th. 145th. 146th. 147th. 148th. 149th. 150th. 151st. 152nd. 153rd. 154th. 155th. 156th. 157th. 158th. 159th. 160th. 161st. 162nd. 163rd. 164th. 165th. 166th. 167th. 168th. 169th. 170th. 171st. 172nd. 173rd. 174th. 175th. 176th. 177th. 178th. 179th. 180th. 181st. 182nd. 183rd. 184th. 185th. 186th. 187th. 188th. 189th. 190th. 191st. 192nd. 193rd. 194th. 195th. 196th. 197th. 198th. 199th. 200th. 201st. 202nd. 203rd. 204th. 205th. 206th. 207th. 208th. 209th. 210th. 211st. 212nd. 213th. 214th. 215th. 216th. 217th. 218th. 219th. 220th. 221st. 222nd. 223rd. 224th. 225th. 226th. 227th. 228th. 229th. 230th. 231st. 232nd. 233rd. 234th. 235th. 236th. 237th. 238th. 239th. 240th. 241st. 242nd. 243rd. 244th. 245th. 246th. 247th. 248th. 249th. 250th. 251st. 252nd. 253rd. 254th. 255th. 256th. 257th. 258th. 259th. 260th. 261st. 262nd. 263rd. 264th. 265th. 266th. 267th. 268th. 269th. 270th. 271st. 272nd. 273rd. 274th. 275th. 276th. 277th. 278th. 279th. 280th. 281st. 282nd. 283rd. 284th. 285th. 286th. 287th. 288th. 289th. 290th. 291st. 292nd. 293rd. 294th. 295th. 296th. 297th. 298th. 299th. 300th. 301st. 302nd. 303rd. 304th. 305th. 306th. 307th. 308th. 309th. 310th. 311st. 312nd. 313th. 314th. 315th. 316th. 317th. 318th. 319th. 320th. 321st. 322nd. 323rd. 324th. 325th. 326th. 327th. 328th. 329th. 330th. 331st. 332nd. 333rd. 334th. 335th. 336th. 337th. 338th. 339th. 340th. 341st. 342nd. 343rd. 344th. 345th. 346th. 347th. 348th. 349th. 350th. 351st. 352nd. 353rd. 354th. 355th. 356th. 357th. 358th. 359th. 360th. 361st. 362nd. 363rd. 364th. 365th. 366th. 367th. 368th. 369th. 370th. 371st. 372nd. 373rd. 374th. 375th. 376th. 377th. 378th. 379th. 380th. 381st. 382nd. 383rd. 384th. 385th. 386th. 387th. 388th. 389th. 390th. 391st. 392nd. 393rd. 394th. 395th. 396th. 397th. 398th. 399th. 400th. 401st. 402nd. 403rd. 404th. 405th. 406th. 407th. 408th. 409th. 410th. 411st. 412nd. 413th. 414th. 415th. 416th. 417th. 418th. 419th. 420th. 421st. 422nd. 423rd. 424th. 425th. 426th. 427th. 428th. 429th. 430th. 431st. 432nd. 433rd. 434th. 435th. 436th. 437th. 438th. 439th. 440th. 441st. 442nd. 443rd. 444th. 445th. 446th. 447th. 448th. 449th. 450th. 451st. 452nd. 453rd. 454th. 455th. 456th. 457th. 458th. 459th. 460th. 461st. 462nd. 463rd. 464th. 465th. 466th. 467th. 468th. 469th. 470th. 471st. 472nd. 473rd. 474th. 475th. 476th. 477th. 478th. 479th. 480th. 481st. 482nd. 483rd. 484th. 485th. 486th. 487th. 488th. 489th. 490th. 491st. 492nd. 493rd. 494th. 495th. 496th. 497th. 498th. 499th. 500th. 501st. 502nd. 503rd. 504th. 505th. 506th. 507th. 508th. 509th. 510th. 511st. 512nd. 513th. 514th. 515th. 516th. 517th. 518th. 519th. 520th. 521st. 522nd. 523rd. 524th. 525th. 526th. 527th. 528th. 529th. 530th. 531st. 532nd. 533rd. 534th. 535th. 536th. 537th. 538th. 539th. 540th. 541st. 542nd. 543rd. 544th. 545th. 546th. 547th. 548th. 549th. 550th. 551st. 552nd. 553rd. 554th. 555th. 556th. 557th. 558th. 559th. 560th. 561st. 562nd. 563rd. 564th. 565th. 566th. 567th. 568th. 569th. 570th. 571st. 572nd. 573rd. 574th. 575th. 576th. 577th. 578th. 579th. 580th. 581st. 582nd. 583rd. 584th. 585th. 586th. 587th. 588th. 589th. 590th. 591st. 592nd. 593rd. 594th. 595th. 596th. 597th. 598th. 599th. 600th. 601st. 602nd. 603rd. 604th. 605th. 606th. 607th. 608th. 609th. 610th. 611st. 612nd. 613th. 614th. 615th. 616th. 617th. 618th. 619th. 620th. 621st. 622nd. 623rd. 624th. 625th. 626th. 627th. 628th. 629th. 630th. 631st. 632nd. 633rd. 634th. 635th. 636th. 637th. 638th. 639th. 640th. 641st. 642nd. 643rd. 644th. 645th. 646th. 647th. 648th. 649th. 650th. 651st. 652nd. 653rd. 654th. 655th. 656th. 657th. 658th. 659th. 660th. 661st. 662nd. 663rd. 664th. 665th. 666th. 667th. 668th. 669th. 670th. 671st. 672nd. 673rd. 674th. 675th. 676th. 677th. 678th. 679th. 680th. 681st. 682nd. 683rd. 684th. 685th. 686th. 687th. 688th. 689th. 690th. 691st. 692nd



case in which the patient has been
suffering from a long and severe
inflammation of the lungs and more
perfectly informed that it is
so certainly as the more powerful
relaxants - Prep. of opium & ipecac.
have been given but before the
coming on of an inflammation
to induce the necessary relaxing
pall. For this purpose, we
have mainly joined relaxants with
stimulants & narcotics - accord-
ing to the state of the case, we may use either
prep. of opium or ipecac. —

Section 4th. Relaxants contd.

Relaxants are useful in infl. going for
the skin & it keeps up the infl. & is
a distressing & dangerous symp. & disturbs
the system. Such cases are treated by
the use of the small resp. layer
or preventing them from developing the
contractile force of the resp. tissue & of the
of course the skin. of it. — We have
taken notice of this & apply it externally.
In treating hemorrhoids we said that
warm water or of steam & it appld
ext. relaxes so as to keep the infl. off
the skin & come the infl. — It is
applied internally, and not of course
it is in infl. general. — In the infl.
infl. relaxant but near the small
resp. layer take of the flow of blood
in the inflamed part & relax the

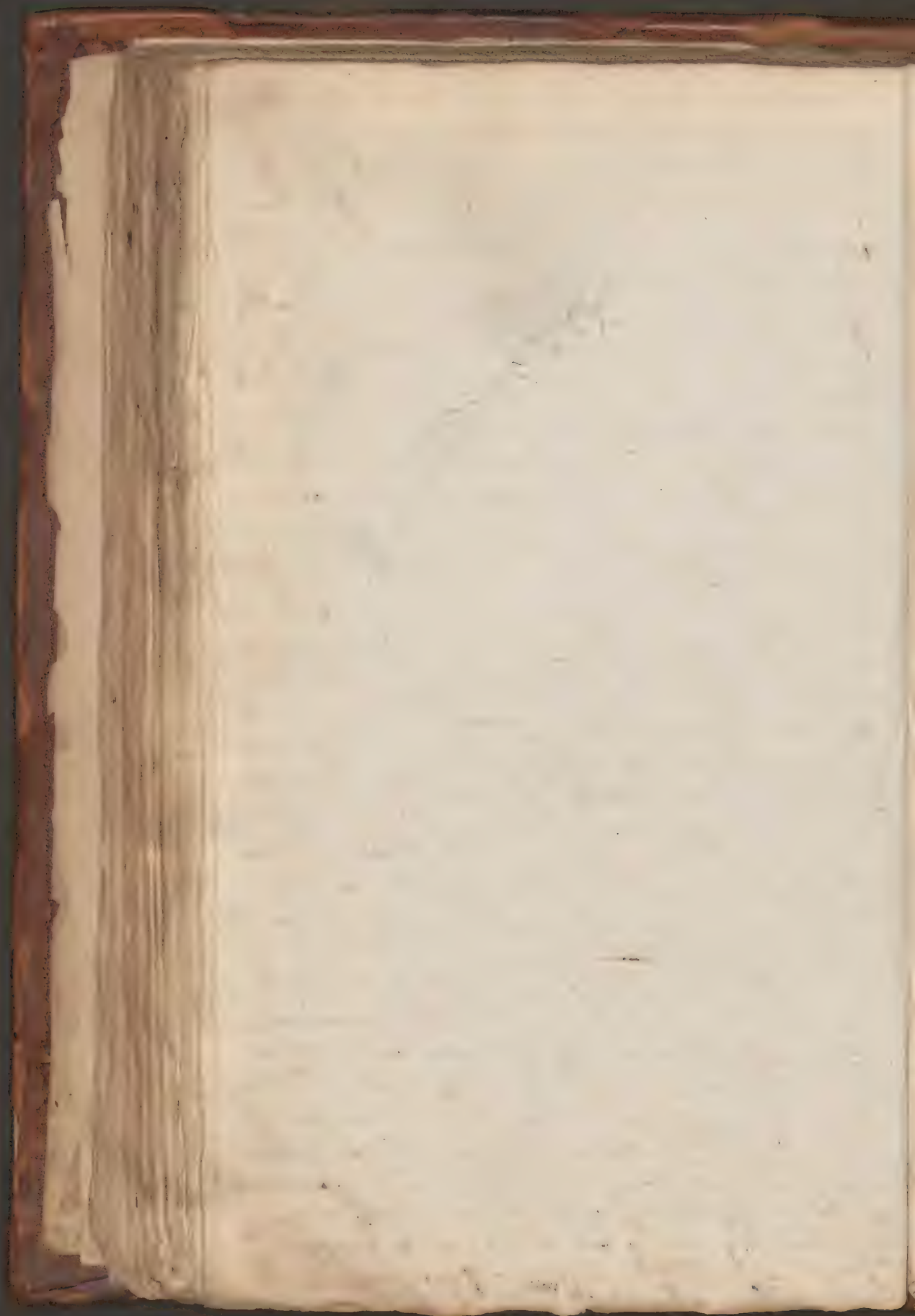


[illegible]

(a) In spasmodic contract. of intestines
parts as of intestines - Dist. com.
choled. &c. relat. join'd with spasm
are very considerable - It is true
spasm of itself might be sufficient,
yet we are more sure of success
by join'g relax. with it

(b) A mixture of relax. mercury
& grain is join'd very powerfully
in cases of most kinds of cutaneous
dyspt. except when there is a consid.
deg. of moisture

a com. d. & c. d. p. i. there is the
same objection to them as in
g. or in f. — but when g. or i.
is not com. d. they are useful
remedies — in spasmod. cont.
relax. of c. are of service in the
off. of spasm — but they are chiefly
useful in spasmod. cont. of
the p. & m. mid — they tend to
take off flatul. — but stimul. are
gen. proper in this case — & cont.
contraction as colica Pictonum
is curd more certainly by
narcotics — in hysterical aff. &
those dis. we have com. been
call'd spasmod. — as epileptic spasm
& others of p. kind they are but
a little service — some^{times} they are
of use to take off p. spasm — & spasm
but as they tend to render g. system
alt. more irritable, they are
not gen. useful in that disease —
in cutaneous erupt. relations are also
useful remedies — All cutan. erupt.
and kept up by the same dep. viz.
by supp. of g. secret. (61) & m. secret.
by keeping up a constant & prof. hemorrh.
often effect a cure in such cases —
we must resort in d. & other
dis. to employ a continu. dose of
relax. & sed. — so as to keep d. on y. dist.
of it all once — but this is in general
better to keep up their action
constantly — to do this, one may p.
them in such a quantity as just
to produce sickness & vomit.



and in 4 or 5 rows - These
are the only one ~~complete~~ - and give
a very useful class of men.

Sept. 45th Of Strengthening the Med.

Things required, are such med.
as increase of power of the body,
with the action of it - Power. Back
is among the most powerful
of these med. - for besides healing,
the power of increasing strength,
it has also that of increasing
- tating - & in a much greater deg.
than any other substance -

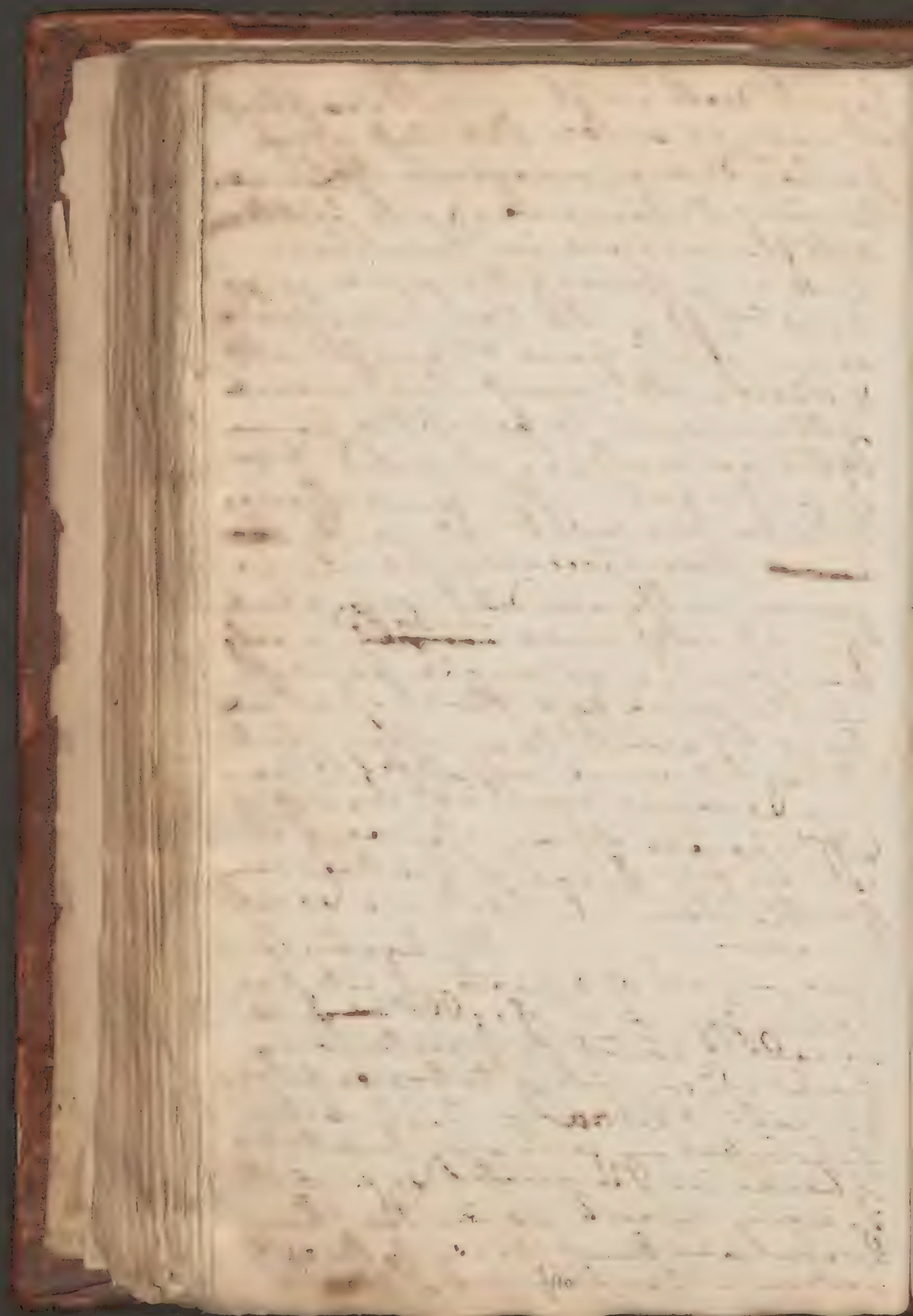
Peruvian bark is the bark of
tree which grows in that part of S. A.
containing of America, S. A. Des-
cending the Tropics, or rather to the
southward - There is a range of
hills which are call'd of Andes, on
of which side ~~the~~ are almost perpen-
dicular to the sea to the height of
nearly 4 miles - but the descent
on the east side is very gradual,
for more than 100 miles - At
the bottom of these hills is one of
the warmest parts of the earth, equal
on the west side, but as we go
west, S. A. atmosphere becomes
colder till at length at these mountains
it is so cold that birds in summer
ice so that there is no ice all
the variation of climate, the

1 of some Zuni said it was
discovered by an Indian who
had an inheritance from
one of the old people of the
tribe who had been
fallen after the
Zuni people.

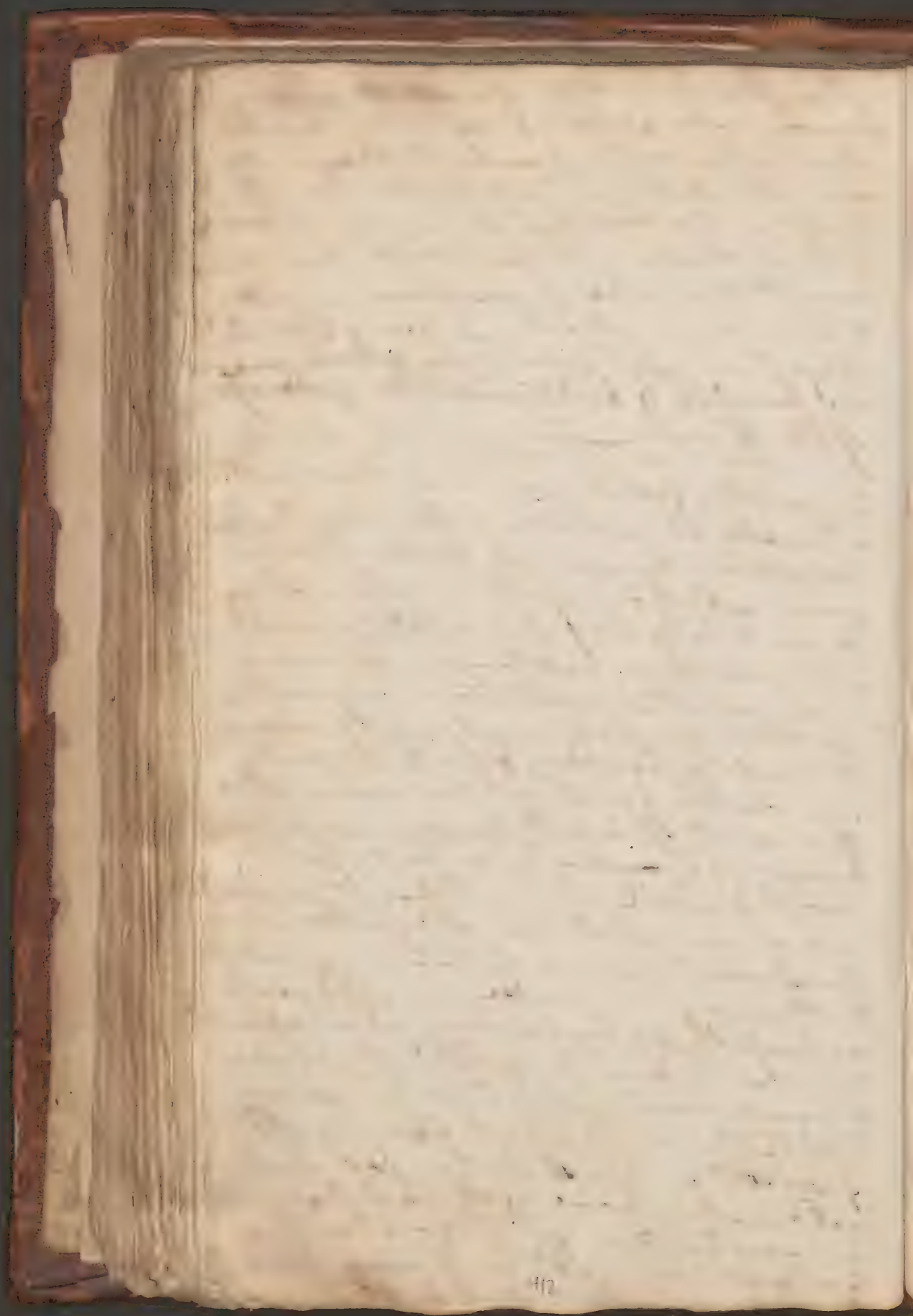
under the equator. In a bark grow
also covered height on these roots
& the fl. in a very narrow line
Very probably it wd grow in Europe
if the seeds were to be procured -
The trees grow in thick forests
& ~~are~~ are thick. as is com. in
this case covered with a white mass
of some covered length - w. after
being pulled off, leaves whitish spots
on the bark - At diff. times,
accordg to the various families of the
European Pract. the bark has been
brought to us fr. diff. parts of the
tree - some only fr. of smallest
branches - some fr. of large ones
& some fr. of trunk of the tree.
It is a question whether the whole
it is brought to us, is of the
same species.

The effects of the bark in curing
intermittent fevers, first fr. red bar. &
Ladg, who used having Spaniards
upon woods on that little used.
w. were employed in Europe, to support
the strength of a little in a room, & so
of finding it. Bark has a little of
of some kind, supported it, and so
have the effect - & therefore, it is stated
it - for the Indians know nothing
of the use of it, & it has been
called China, China, cinquina
China, China &c. We generally call it
cortex Peruviana - It has also

See The cells may be seen by means of a
microscope



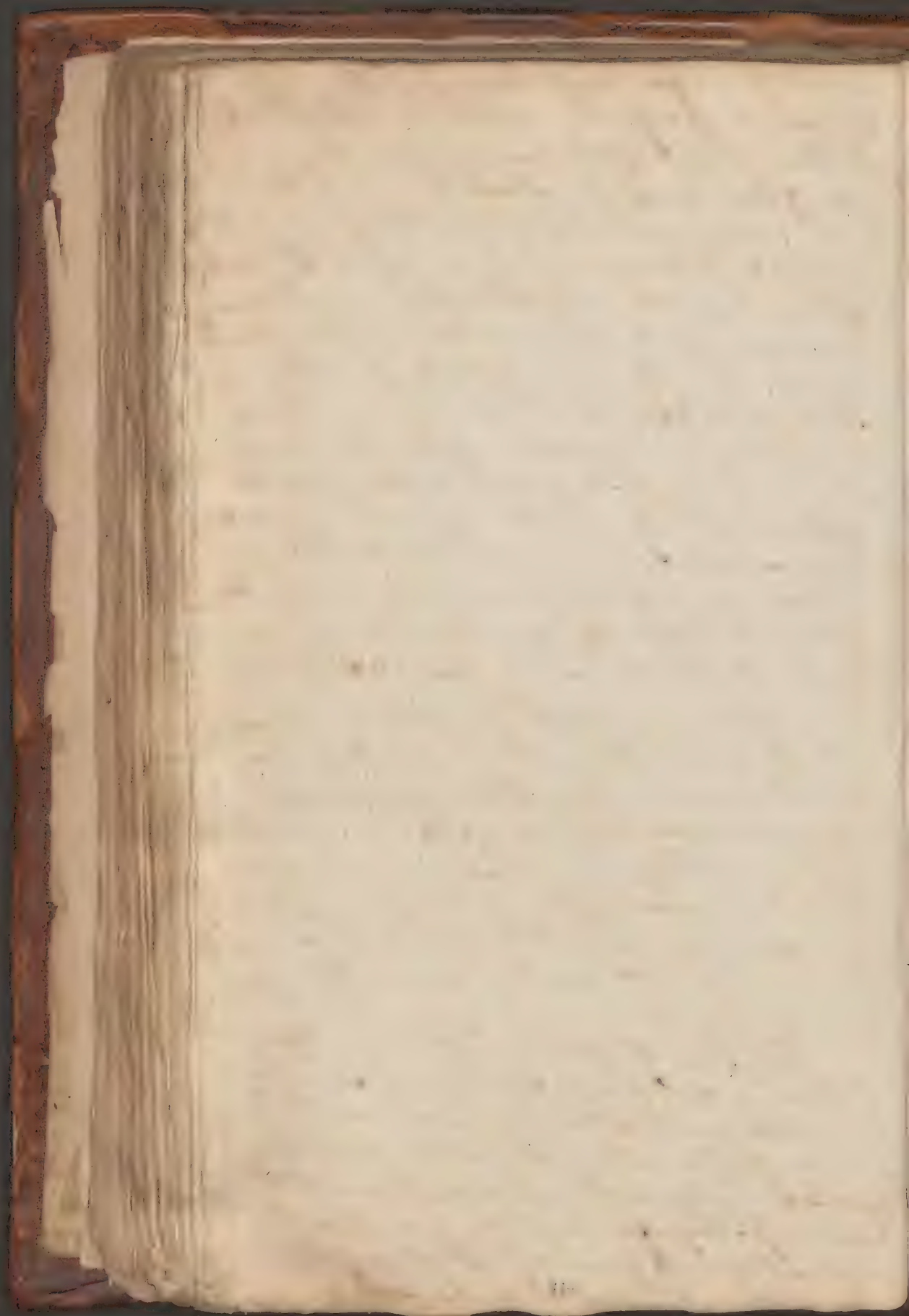
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and then go on to the next. I should
dissolve perfectly well in alcohol
at the extract of St. Francis. There is
very too much alcohol - but this
we can avoid by putting it into
a still, & drawing off a considerable part
of the alcohol. - Well taking what remains
mixing it with water at the time
of use. - Fine impurities of water in
alcohol to be kept when we make
an extract, or resin of the bark.
Bark of it good yield prod. 3 parts
of the weight of alcohol. - more
than may also be useful. - Digested in
wine - or a mixture may be made
with the By to 4 parts water to 1 of
alcohol & wine may be added

It is the necessity to supply stimulant
it to make it agreeable to
the stomach. For this purpose
cloues have been used, as before
to any other. - When we supply
it in powder, it should be in a fine
powder or papille - and it may
be mixed with water - milk, or
wine & water.

The other bitter med. in Dr.
Lullius's cataplasma being in it
as well as the bark, are ranked
among the stimulants - but they
certainly do not act as stimulants.
principally for bringing a part
into action, & giving it strength.
But it is not enough to act on



a number of compounds
 a Tincture of the root of the
 taken from the plant, the compound is
 as abundant - *absinthium vulgare*
 - *Romuleum antemisia*
Simons etc. This usual mode
 of preparing names has called
 there but one of more genus by the
 name *antemisia*, the one of
 was the last made use of
 the bore a generic name, the
 have been *absinthium* that must
 made use of - of this class there
 are *carduus benedictus* - *calina*
chamaemelum - *anthonium* -
lanceolatum - and the kind of herb
 which have more of a stimulant
 oil & of an astringent juice than the
 others. That is *anthonium*
cinanthum - *aurantia curas*
laucaria - *gentiana* - *centaurium*
minus - The next are some
 of *J. Induraria* *germanosperma*
 which contain little juices as to make
 them be rank in this class - they
 are *chamaepitys* - *manubium album*
dictamnus *ortosia* etc. & so it they
 they also possess a kind of quantity of
 essential oil & stimulant in compound
 of *trifolium* *galadum* - *cupulus* -
 these are the medicinal
 Tincture of *g. g. g.* - & *g. g. g.*
 of *g. g. g.* -

(of the man has been in an apparently
good health, in a short time in fact
and the beautiful long young splendid
man had been found in fact
I. Dis. There will be a chance
of it as attack any individual
of which it will be worth while to
take up on his of bank in 24 hours
I could it for 5 or 6 days - On my
other hand, if a man was engaged
in a small country the value
of his labor, \$10.00. He is 25 to
30 years of age and his attention
to use bank as a preventative
In this case, for his might be
sufficient in 24 hours to prevent the
disease from actually affecting
the man

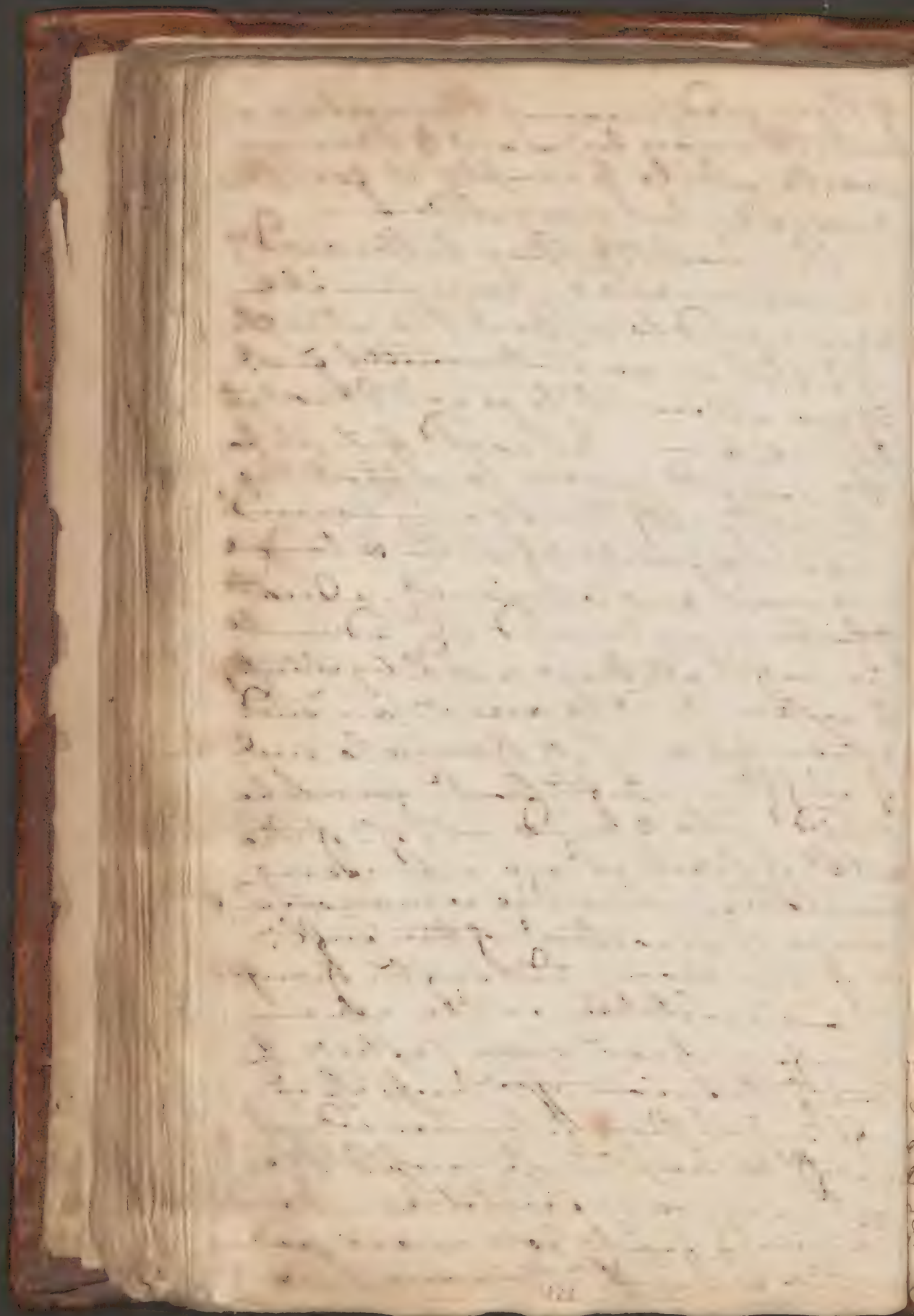
(2) in a letter to Mr. F. has said
that the principal in the
company is the other letters have
said. I am not of the nature of
of the same but are not to be
dependent upon

In intermitt. of the Par. there is
a compl. to the extent of the return of
the Par. when of intermitt. the
clear & in various climates,
in weak & violent. In the
of the Par. has to be made. In the
Dis. - then in the last intermitt.
or return of the Par. can get. Par.
Par. is very abundant, made
use of to prevent of return, or
of continu. of the Dis. The Par.
is given in this case that the
whole of the intermitt. & in as large
quantity as the last stage, will
be (a) - We sh. reduce the time
of the ordinary sleep of the Par. but
give in of light as well as the
day time. In intermitt. in
strong habits, where of intermitt.
are imperfect or. habits and
properly could. - for it will give
concurrent them in to can get.
It has been used to prevent of
continu. of the Par. for return, but
in this case, it is very rare &
useful for as it effects better the
head & breast could. it adds more
much to the danger of the Dis. if
it sh. not have the proper effect.
In some continu. of the Par. are very
irregular, running out to a
length with. any prospect of

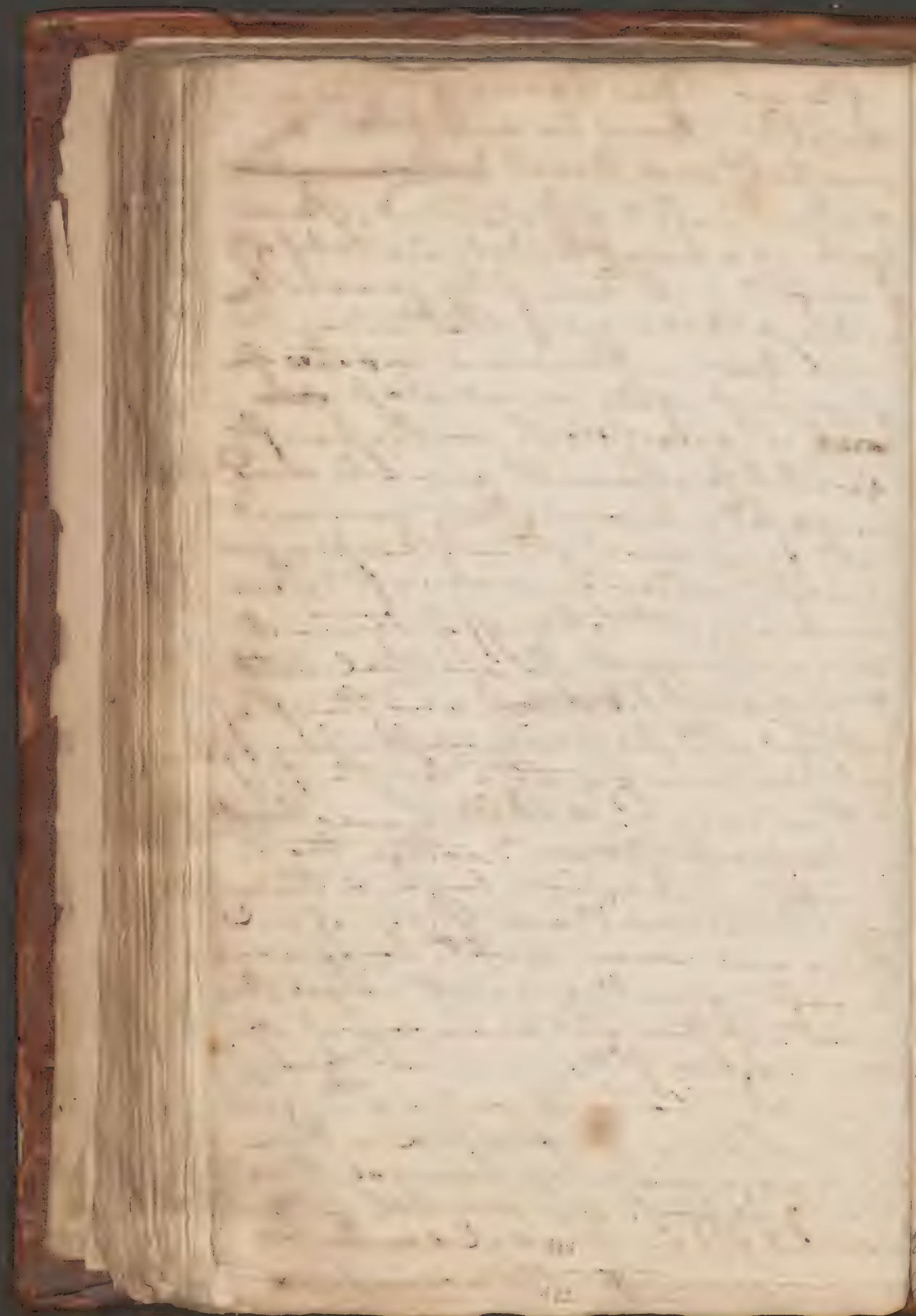
It may have the same effect as small
quantities, the effect shown by small
will be able to have a large one

In this case, 200 g. of water has
nearly the same effect

[illegible]



[illegible]



[illegible]

a water bearing layer
in the sandstone of the
sand into a shale as a
accession surface. & a foliation

...D. 121 The bar...
have been given in large quantities
from the ... the ...
are ... enough ... to ...
... effect ...
... same ... with
... —

Sept 4th Strengthening Med. cont.

In the first place the bar may
be ... the ... — There are
2 cases ... the ... occurs
at ... time ... one of ...
... & the ... is ...
In the ... time — In the ...
the bar may be ... to ...
the return ... as to
carry it off ...
... it ... be a ...
Def. of ... — This is a case in
... the ...
if the bar is ...
because for the ...
there is a ... Def. of ... it is
... — When ... is ...
... — ... it is ...
rarely it is ... to give ...
... large doses — ...
... brought ...
... reluctance ...
of the ... in the
... begins ...
... —

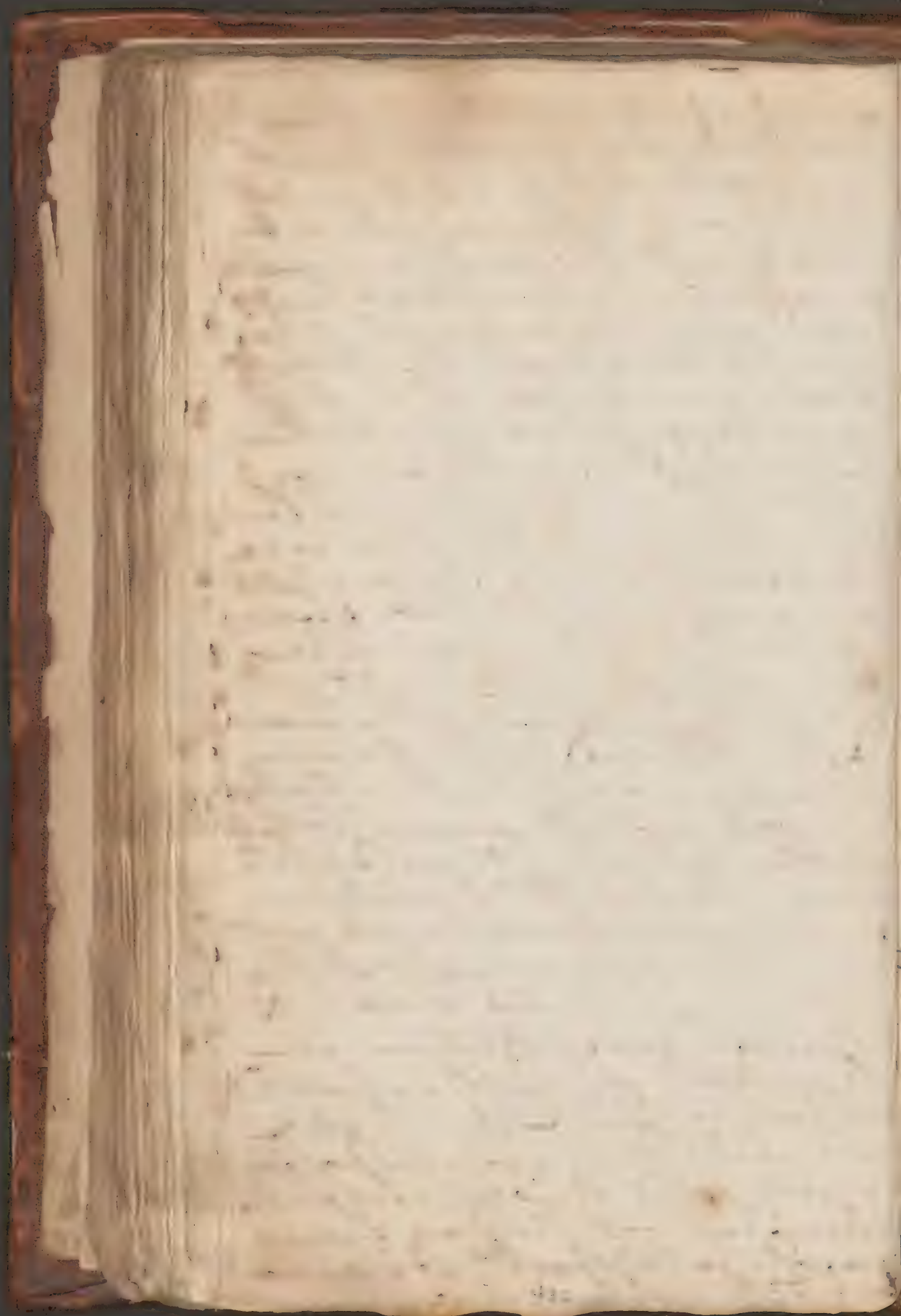


[illegible]

a. *Erigeron phillyreus* was
formerly considered as extremely
useful in this case

b. viz. by the tension of the pulse

appears - for if we really are made
was better - was any other parent
want & the child is left to himself
taking any value except the
way of good - for rarely any man
sings - And when J. Dis. has by
reality except by consequence. I say
should the appear. In terms of
how is a remedy. It is of J.
advantage - & there is no other
better method. or good. In in
indist. it can be well seen. In
the A. A. — The other case
of haemorrhage is where a habit
has given in the body of J. Dis.
affected with J. Dis. — We must then
the cause of the strength of the
region of the arteries of the heart
after better & J. Dis. of J. Dis.
W. Cope as official as has by
J. Dis. well. as a remedy for
other better method. as J. Dis.
Dion in the J. Dis. system
In all cases of haemorrhage except
where there is contraction of the
vessels as in rectal J. Dis. &
haemorrhoidic affection in
J. Dis. of J. Dis. is pointed
out by the J. Dis. 16 — In all
such cases they are in J. Dis.
& except J. Dis. of J. Dis. except
haemorrhage - where they are J. Dis.
except J. Dis. of J. Dis. of J. Dis.
But it is J. Dis. of J. Dis. of J. Dis.



gave the most powerful
case for the treatment of the
affection. I hope of course also that
more patients will be treated
in the same manner. I have seen
one of the same kind of case in
Lancaster. I hope to see more
and still more. I have been
much interested in the system
which when there is no disease
present — when we wish
to give better results to the
system it is often useful
to mix them together. No doubt
them after the hand has
settled & the complaint is fresh
set. It is frequently useful
to omit the treatment of the
for 5 or 6 days, & return to them
again — In hysterical affec-
tion is somewhat more difficult
cure. When hysterical fits are
retention of reg. & have been natu-
ral & may be given to prevent
the return as in other cases of
recurrence of dis. — In this
case we do not give it in as large
doses as we usually give in
this is necessary to use it only
in the time of the attack — but
it may be given also when the
hysterical affection is present.
But what of affec. has caused

a South Sea - but I don't
where it is. I have a few accounts
of it or rather from measures of
a lately - while you are here
when it comes from the
it rarely if any, and of the
club are some. I am - and
when I that I can't say
I am sorry and very much
to any of the latter and

some kind of disease in the
def. habitual this rarely the
the brain as the better med. & the
dramatic effect — in the
the modic pains in the
all kinds of epileptic spasms
in the more frequent & sometimes
is curable in preventing
returns of the paroxysm but
afterwards much of the
spasms are much more frequent
the prevention of the return of the
dis. the best means is
there being a great many cases of epileptic
spasms in which the
causes or causes of the whole lifetime
of the body in spite of all
it can be cured —
Chorea Sancti Viti — videtur admodum
tetanus — & the dis. & the
or caused by spasms. It is
rarely that there remains a
spasm cure, except where Chorea
Sancti Viti arises from weakness
as it sometimes does — for the
strength of the system will carry
it off
The gout is a dis. & has been
cured by simply not only fasting
but many other better med.
Especially those who have some
stimulus have prevented its
return — But it is to be

a New & Rare of the kind
a bitter one, has been given
for the gout, & resisted in some
time, it has prevented the return
of the pain, & gout, but will
not have given, & is a ptectic

in a few cases where
the nature of the case has been
prevented by law or other with
opinion has been the court. (a) & the
the rest, in paper in ordinary
cases of court and such need
where the court is made out of
the fact which is very much of
it, cannot better & strengthen the mind
have some of the power of the
where you understand, understand
has been, but a step to the new
will not only share it and
are equally, and the effect of such a
have any attempt to be made use of

Sub. 48. *Strengthening the Mind.*

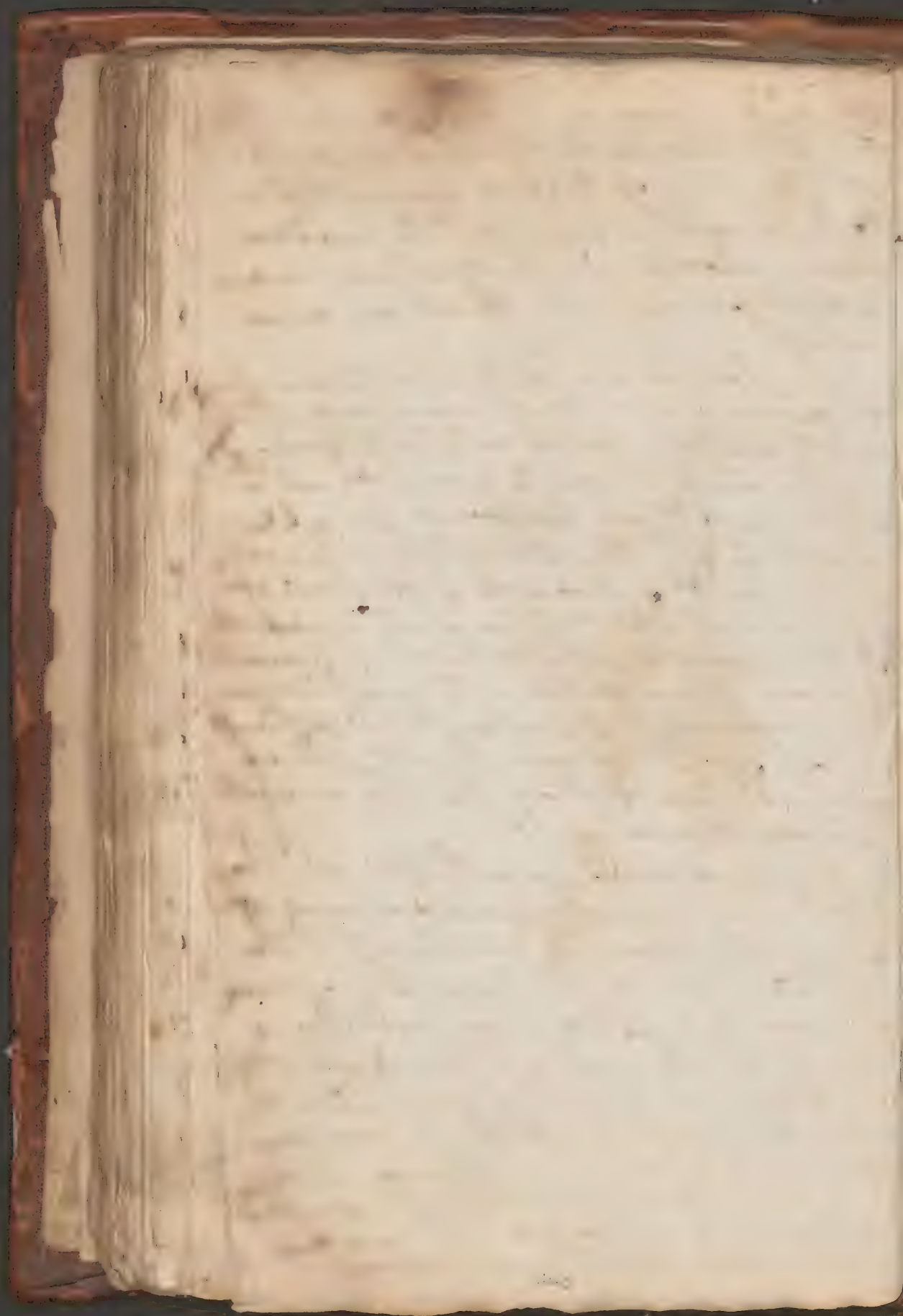
Albion, the most powerful compound
a stimulant oil, is used in
courses of the strengthening remedy in
habit of the brain a considerable
quantity with good effect. It has the
effect on the same acc. in cases
of jaundice — when bile is present
that it is a mild & moderate
in the are weak. It is a powerful
restorative does not go on (as some
Bitter, med. w. have a course of
of the mind are then strengthened

Dr. E. and J. presented the
return of J. Harv. & an inter-
mittent by means of Ham.

and thus been directed to give the
Dr. Histles have been directed
after consulting to give something
to be used in respect to water
water alone - & expect when we
want an emetic to act as a
relax.

Antonium & tannectum have
been given in cases of worms - & the
use of *Antonium* has been reported
in the int. on 2 grounds - 1st
bitter roots are poisons to all
insects & 2ndly, they have the power
such med. *Antonium* of power of
digestion - Now it is only a root
of the power of digestion of prevent
it, one of such nature & of the
them selves, but they digest & the
digest - These are the roots, the
remains in the case of such insects
besides these -

Chamomile is a bitter w. has
been very much made use of
for strengthening & diminishing the
irritability (a) - It has a sweet
flavour, & on that account has
been preferred as a bitter & strengthening
remedy - when we give it in
large doses, it is a powerful
emetic - There are
several principal plants of the
class of *Singlana* in the
herb in the field



There are a p. no. of yellow ...
in this class of plants and there
is no ...
we ...
in ...
find them more ...

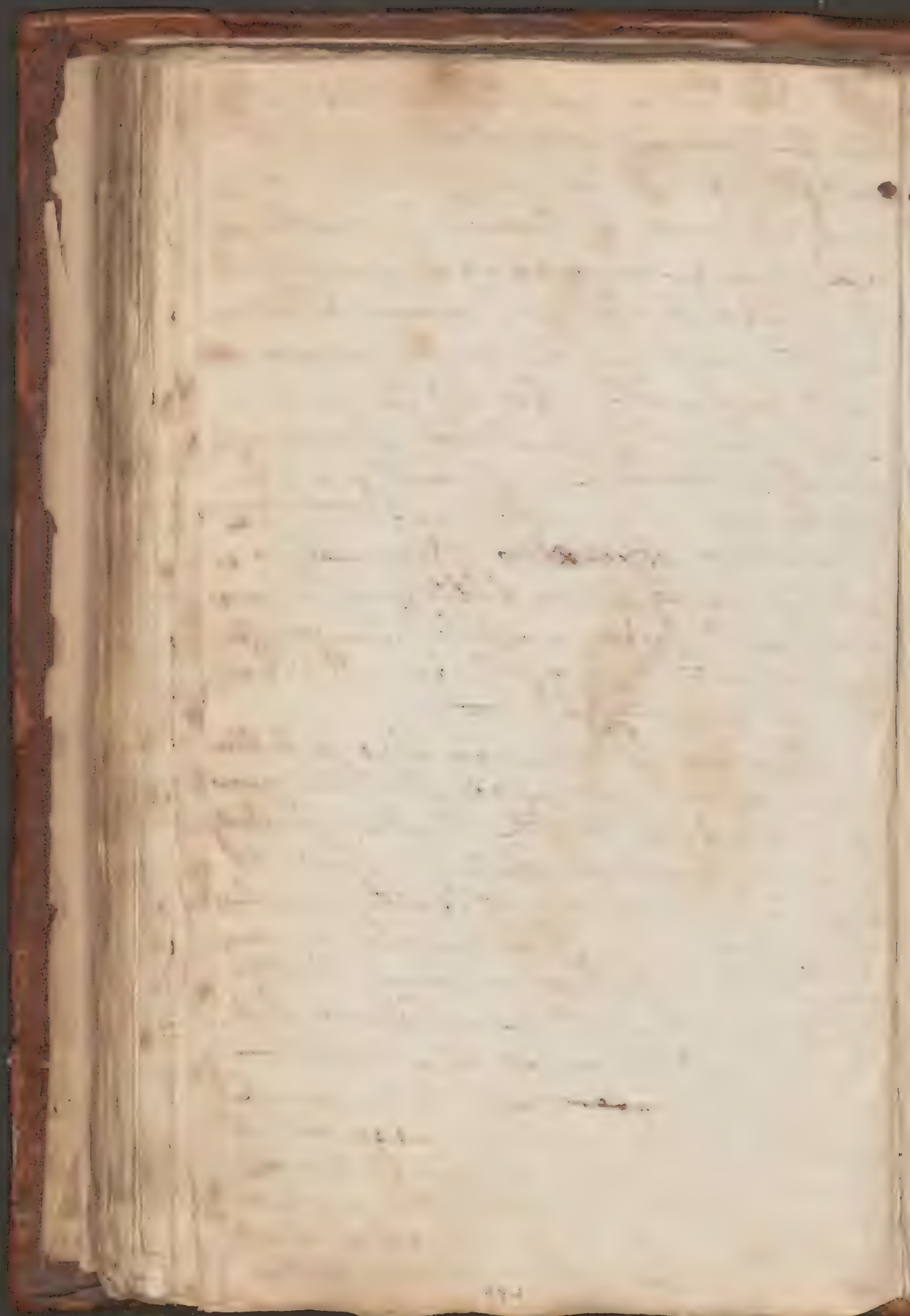
Many of the species of ...
have a quantity of a bitter juice
in their roots & ...
More than ...
This bitter juice is ...
an essential oil which has a very ...
agreeable flavor & renders them
useful where there is ...
all of them have in ...
but does not ...
use, as in abstracts of the ...
where there is ...
in other cases they are ...
with ...
which ...
by themselves for the ...
essential oil is in ...
to complete a ...

The Gentians form many
all kinds of plants ...
Lobelia ...
in flower in ...
can be ...
agreeable to the stomach & ...
renders it an useful bitter in
diseases where there is a ...
deg. of laxity - This ...



of this bitter substance. It
has fallen almost totally out of
fashion. & that within a very
short time. Indeed in Barbadoes
has in many cases, succeeded
in place of almost every other
med. but not in any, since it
is perfectly good for
the treatment of Syphilis. There are
are abundantly as efficacious as
bark. The root of the
gentiana ~~is~~ officinalis is
also a nearly pure bitter. It has
not however been exhibited in large
doses for the purpose. For it has
been found to be ~~is~~

Scorus ~~fructus~~ was also a bitter
very much in use but is now
entirely of service but in a study
I have a warm thin & sweet
oil. it in cases of Syphilis makes
it useful. It is by no means
proper to reject so many bitter
meds as Pract. have done but
on the contrary, as the habit
is so very apt to become
accustomed to any one or many
of them when they begin to lose
their effects very much we
ought to retain several at least
and besides, often when one

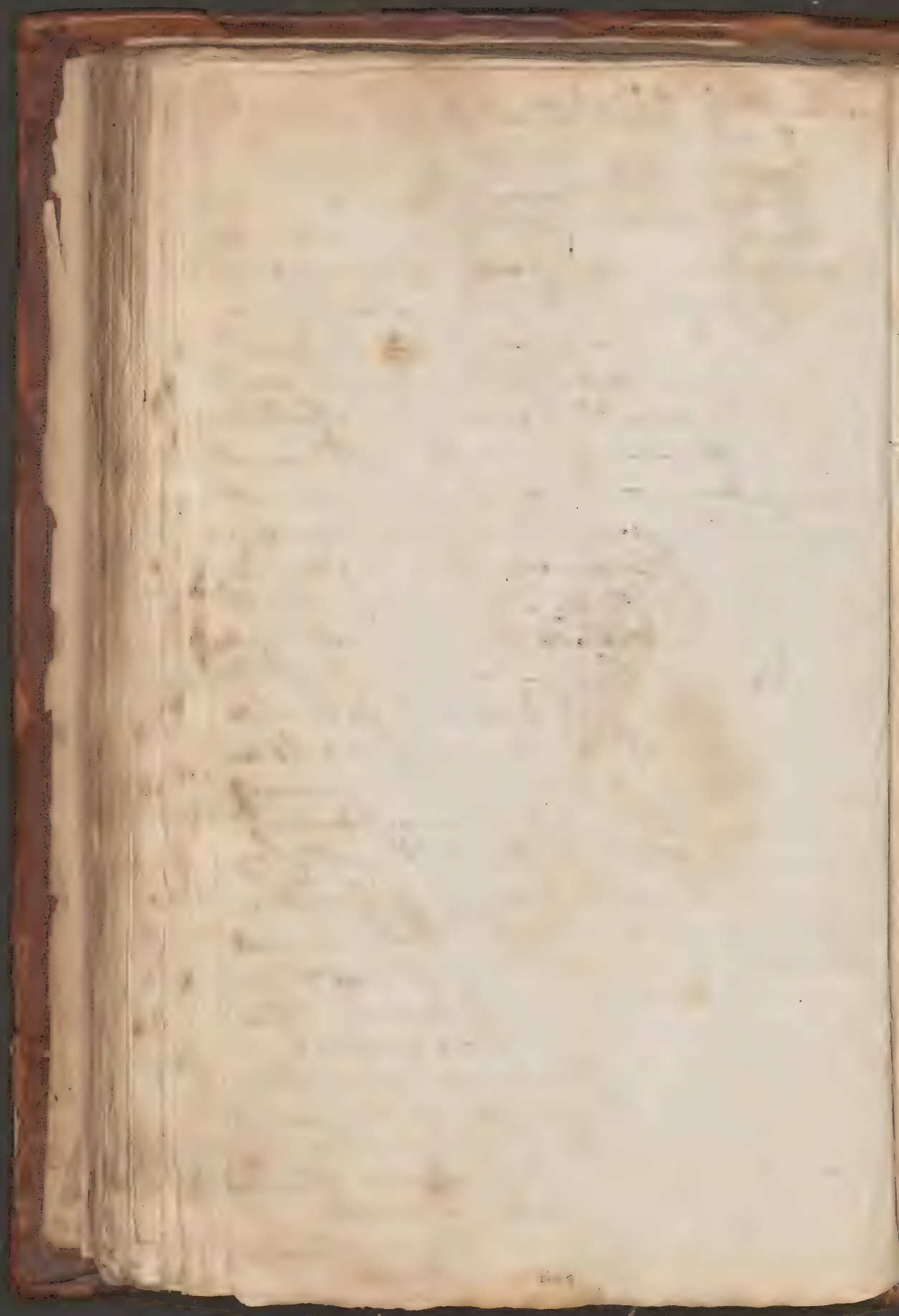


have given me better results
but for the purpose of the
success of the present
to the system by which the
Germans - particularly the
are a species of *Hypericum*
marianum & some others of the
tribe *Scrophulariaceae* & *Linnaea* &
contain a compound of
a stimulant & a sedative & a little
bitter juice. They have been
used to cure the jaundice - &
also to prevent the return of
the gout in which they have
succeeded - but as medical students
said they have at length proved
of little use - Marshall and his
means, to be except in part.



Letter of Washington to Madison

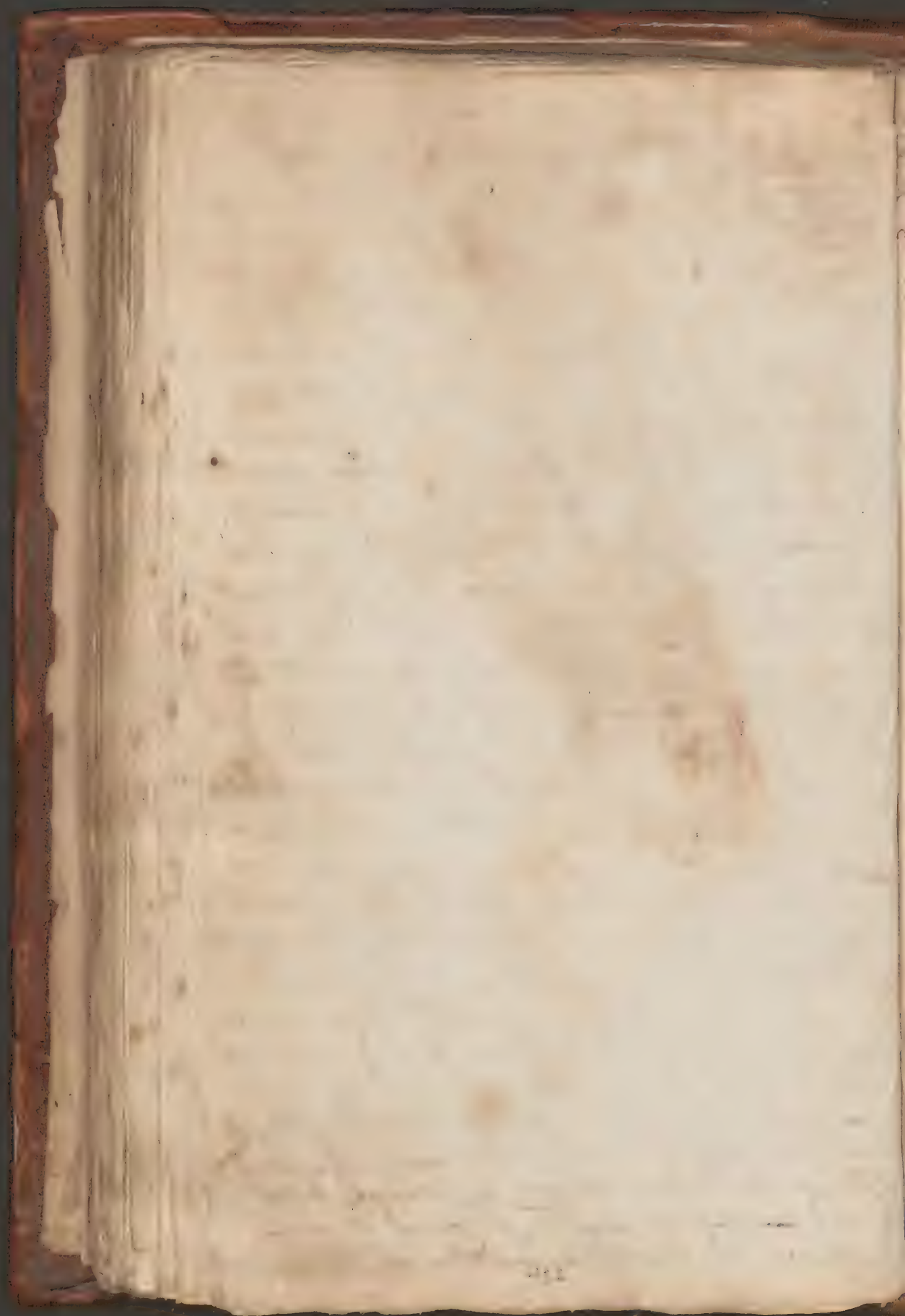
The state of things, and the
to come in the country, and the
the system of trade, and the
and the other. There are two
and the land immediately to the
I think of the system, and the
as to the trade, and the
a more of raising, and the
to complete. The only means of
increasing the system of the trade, and
in any way. The force of the trade, and
the trade, and the trade, and the
method of trade, and the trade, and the
can be done, to make the trade, and
for the trade, and the trade, and the
and the trade, and the trade, and the
greater, and the trade, and the trade, and the
and the trade, and the trade, and the
the quantity of the trade, and the trade, and the
increasing a small quantity of goods, and
in fact of the trade, and the trade, and the
only taking a quantity of the trade, and the
the most ready way of trade, and the
last, is by opening a trade, and the
to the trade, and the trade, and the
the trade, and the trade, and the
it was then a small quantity of the trade, and the
a quantity of the trade, and the trade, and the
with. Or we may take a quantity of the trade, and the
the trade, and the trade, and the
the trade, and the trade, and the

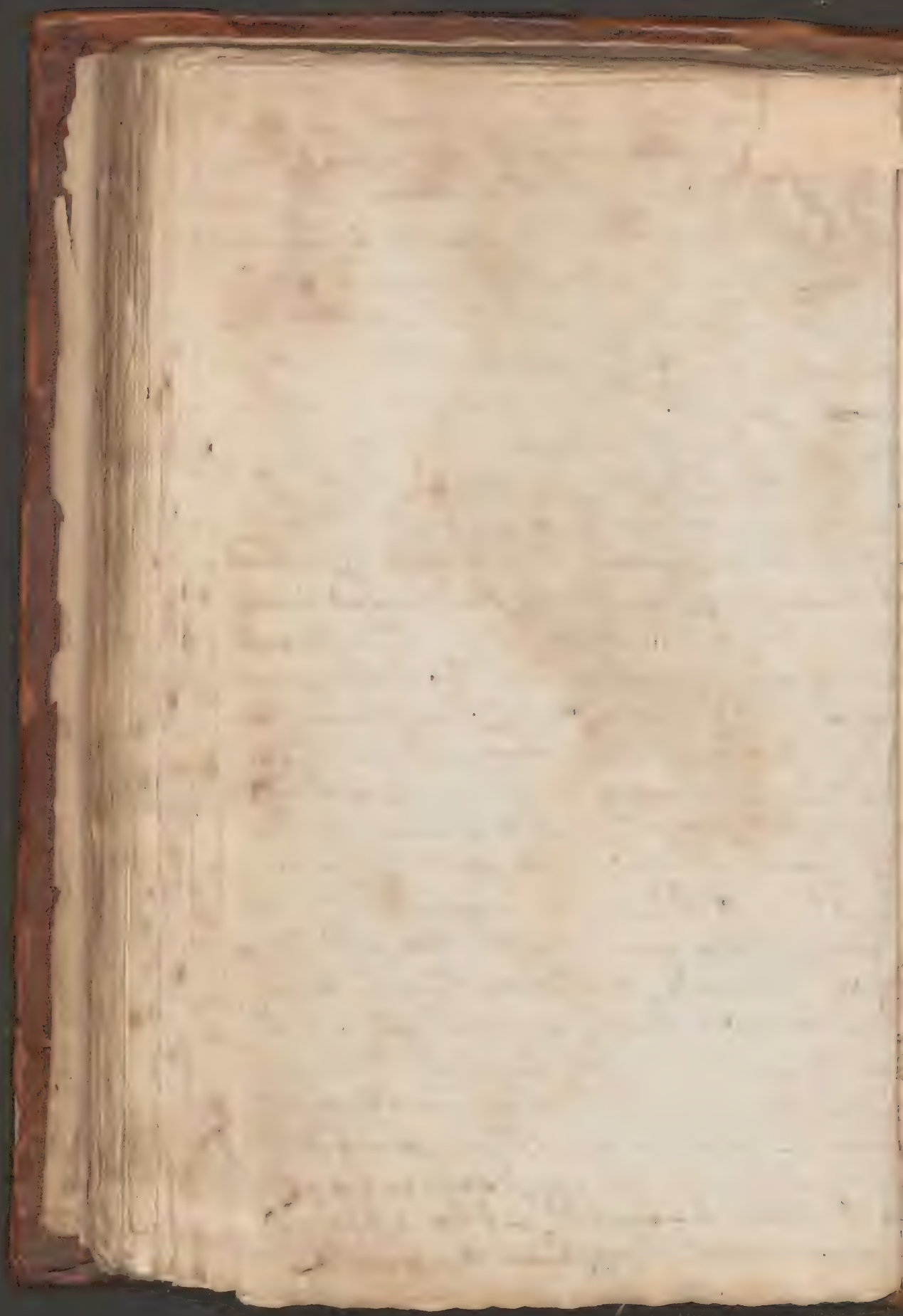


I think, however, that the
 most common of these is an
 effect of the action of the
 stomach, which, when it is
 not rising, in the morning, & during
 the day, at least, I think, is in a
 state of indigestion. — We are not
 certainly, however, to be
 proper practice, if it were not
 there, we should be doing
 drink. — We are, in the work of the
 presence of the ~~blood~~ & the
 & the blood. — We should
 have a tendency to accumulate,
 in particular, food of the
 capacity to come to the
 in the stomach. — And this, according to
 although no solid food be used in
 the morning, & in the night, yet some
 much of the food is still in the
 to be given to drink. — In the 2^d
 place, if we empty the blood, &
 by means of the sea, we must
 to it by the sea, & make a
 greater flow of blood fall on the
 secreting glands, & the parts near
 them, so as to alter the circul.
 accordingly — so that all water, & all
 med. occurs, & an end, & the
 when indeed, but in the
 not making an error into
 all, & the blood is a
 blood, & the blood is a

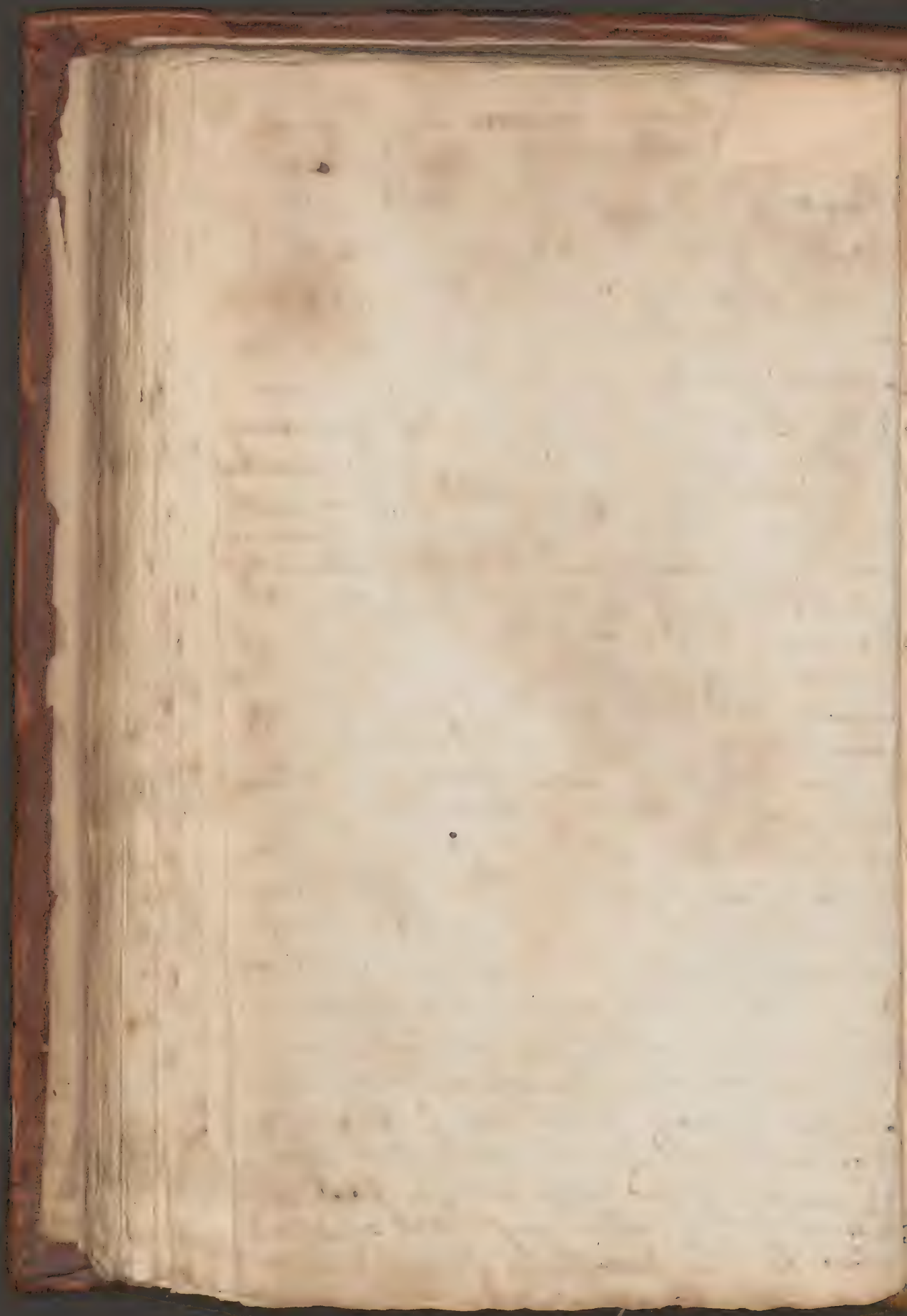
more properly speaking, the
same particles of blood

In the course of only twenty
 minutes almost equaling the
 amount of the blood lost - but one
 found that the blood had not
 remained in any part of the
 body in constant motion - the
 quantity of the blood which
 came from a small source of
 this kind of rapidly met
 at the heart of the body must
 not be so - the blood in a blood
 line - suppose there be
 4.30 of blood in the body
 & that of the heart must be 2 1/2 at
 each contraction - then in 8 contr. it
 will be thrown out & the heart in
 2 1/2 of whole blood in 8 contr. of
 heart it will be completed
 in about 3 1/2 minutes - The
 blood there is never remaining
 any time together - but constantly
 changing & moving together through
 so that it is continually diff. parts
 body must be exactly the same
 the remainder of the blood is
 indeed - but this change takes place
 in a very short time - in the passage
 thro' the capill. into the veins - and
 goes to the lungs & is
 in the lungs & is
 in the lungs & is





had just been to see my father.
anatomical branches. Then, having
appeared to him that it was the
no kind of effort or pressure
was taken to make him see
as an eye. But it was the
object of my father's
father's eye. My father's
that he cannot see in any way
for anatomical purposes. This
while simplifying the reason, because
we are more cautious, admit
evidence of fact. This against
them - but there is no way
thing in the world than that
away to the eye. But it is
had been an effort to find out
the eye of the eye was for the
that it is the same. I have
we are in the eye and it
is to be done either for the
smaller or by the means of
cupping glasses or by the use
of the eye - by the use
of the eye to the temples or
by the use of the temporal artery, when
taking away to times of the eye
and I am not sure of no kind of
it - We find again in the
of the eye, after the eye is
to the temples, and it is



Capitulum Regium

The first thing I noticed when I stepped
 out of the car was a cold, biting wind.
 It was a relief, a welcome change from the
 stifling heat of the car. I looked around
 and saw a vast, open landscape under a
 pale, overcast sky. The ground was a mix of
 dirt and sparse, dry grass. In the distance,
 a range of low, rolling hills could be seen.
 I felt a sense of freedom, a sense of being
 alone in a vast, open world. The wind
 carried a faint scent of pine or perhaps
 just the dry earth. I took a deep breath,
 the cold air filling my lungs. It felt
 like a new beginning, a fresh start.
 I walked a few steps, my boots crunching
 on the dry ground. The hills in the
 distance seemed to call to me, to beckon
 me forward. I felt a strange mix of
 excitement and apprehension. This was
 it, this was the moment I had been
 waiting for. I took another deep breath
 and walked on, towards the hills, towards
 the future.

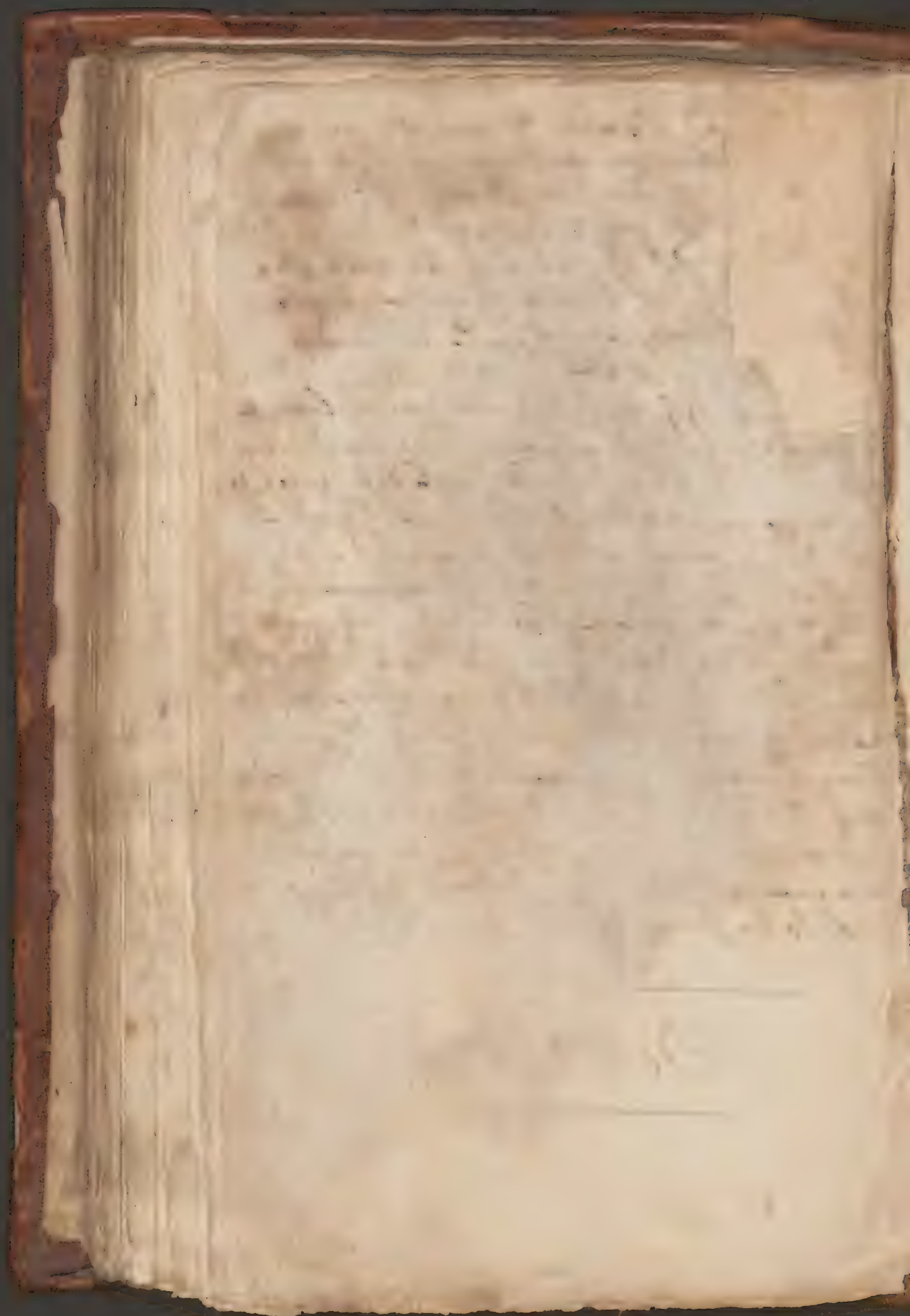
[illegible]

[illegible]

In a bleeding by applying the
Le. come Det. at night. at the
the same time. I received
a good deal of good. This
is the first time.

to me I have a — To me
any other an artery is heart.
much deeper than the
artery is in your neck it is 4 ft.
to the neck of which should be
laid, laying the artery bare & la-
sake an artery into its side —
The blood runs & the artery is
forced — If the artery be over a bone
against it, we can practice the
method of the blood & the artery
by a compress but if not, we
gentle in any artery we can. Suppose
to open for cutting the artery
the 2 ends, so as to cut it so as
to stop the blood — It has been
said that a compress, if
can't find the artery, we can
this means of saving the blood
of the artery. But as this
is a very dangerous as well
as uncertain method it ought
not to be practiced.

Vide No. 5

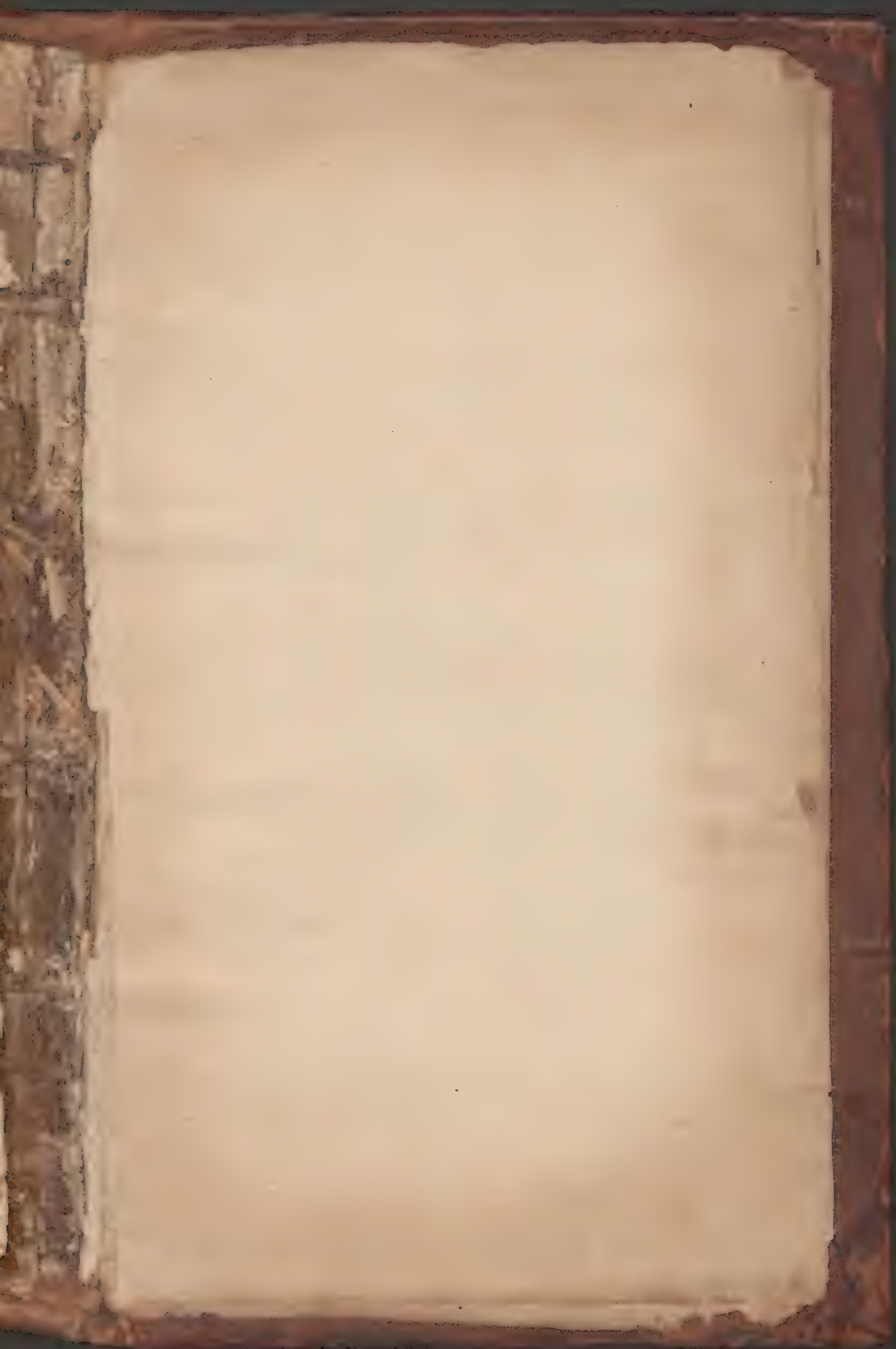


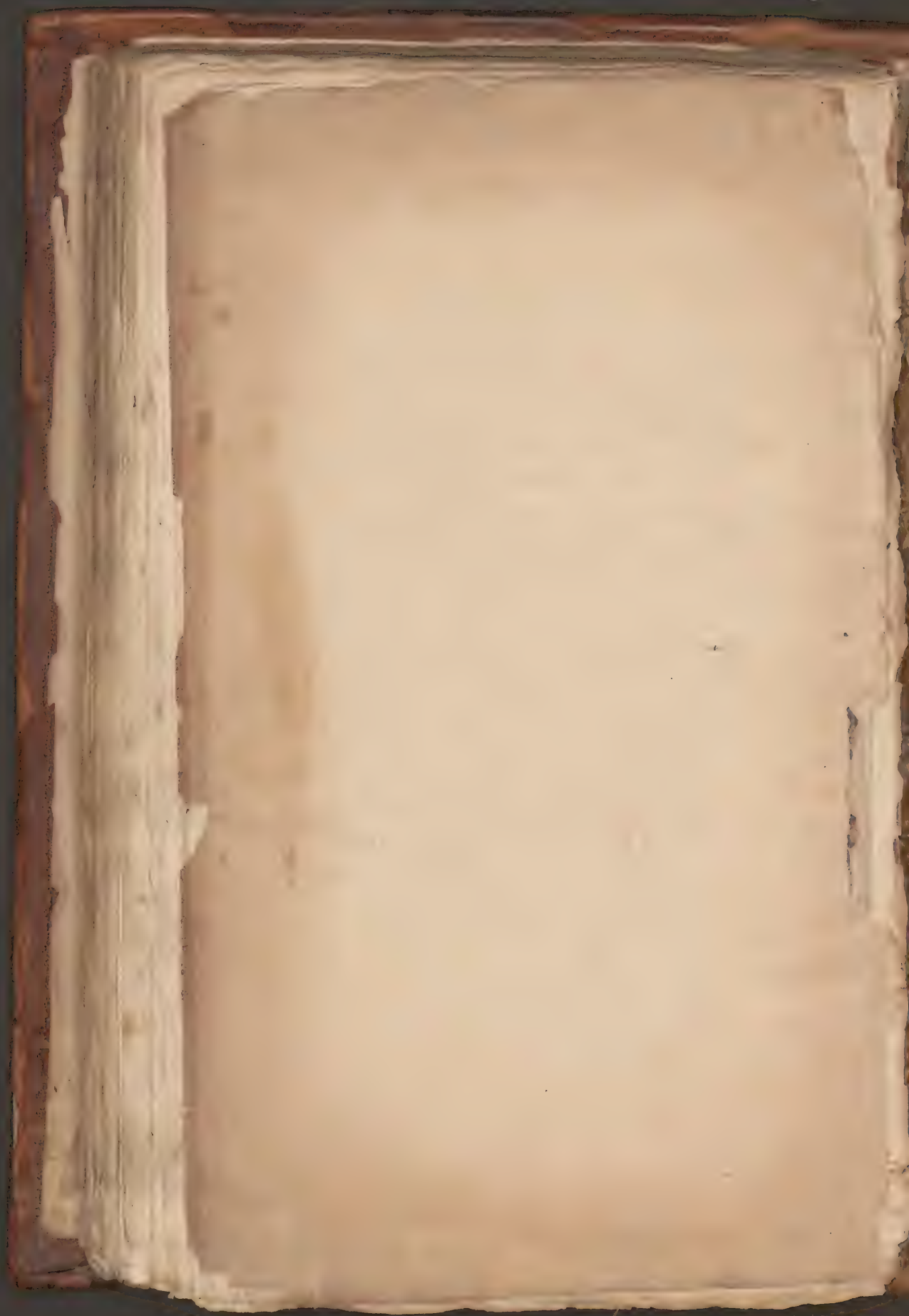
Geo. M. D.

Lectures
on the
Materia Medica
By D^r Geo. Fordyce.

N^o 15

I. in a O. P. Cap. in P. in 4.
country, in 5. 1/2. of Bull Natick
we may take away 325 or 30
of blood at once, as one large
man has a greater effect than 1.
some men of 140 lb. may at 3 or
4 times or some 1/2. then double
1/2. again. If happens not unfreq.
y. P. faint away after a certain
quantity has been made. In 1/2. however
never heard of a case where they
did not recover. In such a fainting
fit. The fainting fit. Now. If
I present such a stop to a
further meet. must it not be
fearful just when the blood
begins to flow in w. case we
may go on with it. And if afterwards
in such cases all that can be
done, is to lay the P. in an
horizontal position till he recovers.



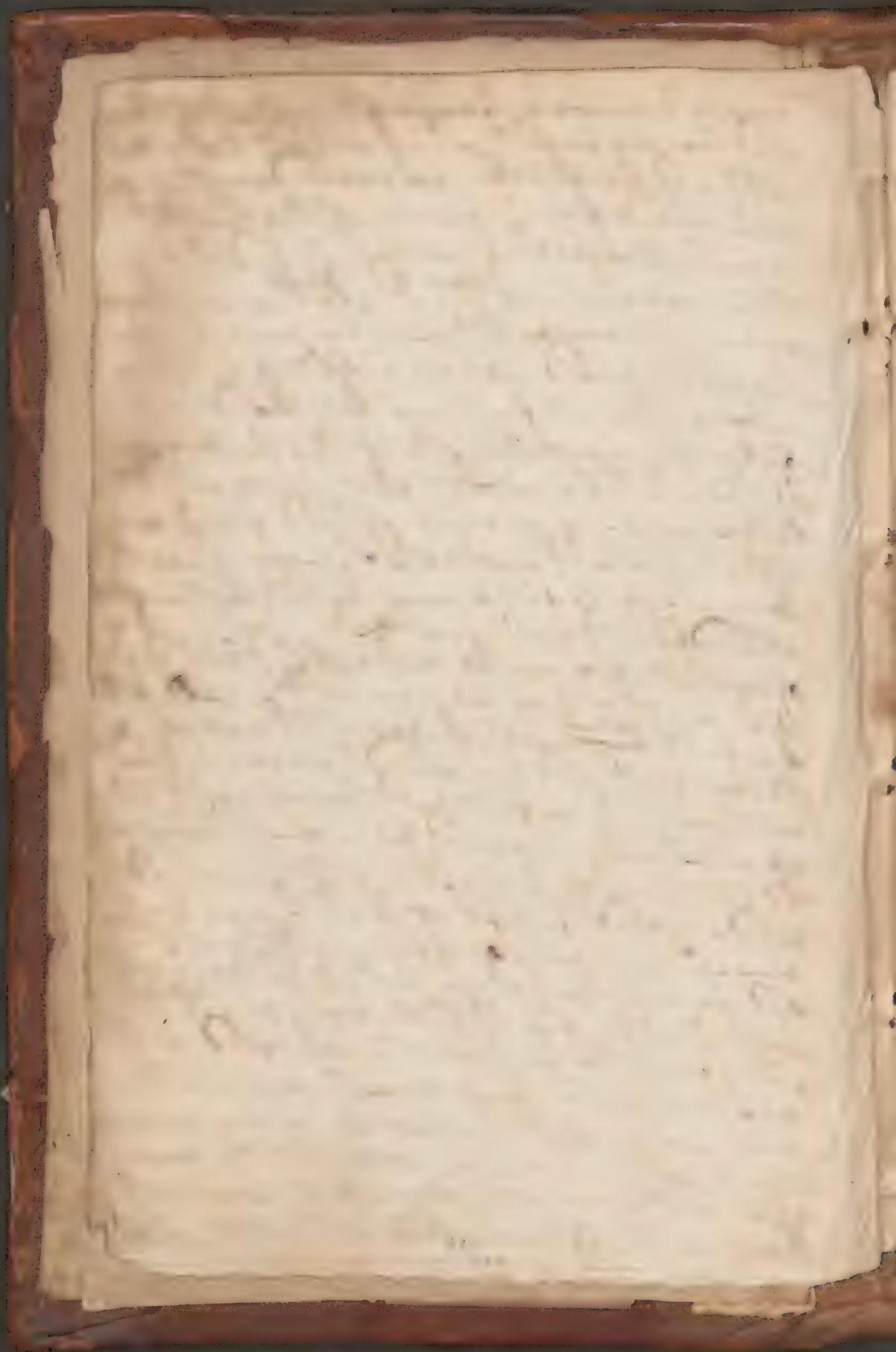


Sub. 50. Whelan, J. M.

[illegible]



[illegible]



... of the ... still ...
if ... has ... very much ...
he will not have strength to ...
him that the ... - Cases of this ...
have courts ... of ...
have ... of ... in all
cases of ... - In ...
... of
... of
... is of no kind of use
but rather detrimental - ...
... of ... - The ... is in
all cases very ...
... if we are ... of ...
system in general - ...
... of ... & ...
... in ... there was still ...
it ... to ... but in
all cases of ... in ...
... in ... as soon
as ... of ...
... into ... one &
... have taken ... - There
does not appear to have been any
instance in ... has been ...
in this case - but ...
when any case of ...
has been applied ... has not
a view - when there was ...
... or other ...
it has been a question ...
take away ...

[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]

wait till the infl. has taken place
& then take away but to remove
it, because there causes a infl.
will prod. infl. in a weak habit
as well as in a strong one - It
has been said, continued that we
should by rend. of J. Pat. much, prevent
infl. but I think if we only carry
off by the blood of the blood taken
place - How. of prevent. in these
cases is to be made immediately before the
infl. has taken place or before it
has met to any court. It is - In
infl. of. have gone on for a
considerable length of time has those
of J. eyes & scintillations & red. the
parts where infl. are apt
to continue a long time with. coming
to supp. & if blood is given
more powerful than bleeding from
system & and more by bleed.
repeated at the intervals of 2 or 3
days, are coming more effect. in
carry. off of infl. than larger ones.
by the We cannot carry off by
large ones made at once but by
smaller ones repeated -
If J. to the J. with any of the
infl. or then just as some. happen
then large ones by bleeding may be
enabled to carry it off

a If a man is in health - I will
take away a quantity of blood
and is found to be in health - otherwise
he - if we bleed freely there is a
habit of blood - a larger quantity of blood
than is - there is in health - the more
there is - the more of it is in health.

If it is sh^d take place of the blood
which is to be used in the contract of the
of the other side, of itself or the
only dis. or sh^d arise from any
cause, there is every good reason
to say that it is not, in any person, or
some kind of dis. or sh^d arise from
the blood, or sh^d be caused by any
material, by bleeding - nor of blood - but
by blood, of the quantity of 3 or 4, or 5, or
up to 10, or 15, or 20, or 30, or 40, or 50, or
internal of 2 or 3 days or some, or
weak is often of course, and in
order to carry off such blood from
the cases of plethoria, where it is
doing only injured, mischief, a
quantity of blood taken away is the
most ready mode of removing it -
but in nature it is apt to be ple-
thoric, repeated bleedings so far from taking
off plethoria, frequently induce it - For
the organs of digestion supply a suff.
quantity of chyle - or there is a suff. quan-
tity in the blood to supply and
keep there maybe in the blood vessels.
So that sup^r blood is often of some
way of causing a plethoric habit.
I think when a person is in such
a condition is a plethoric habit.
There are cases, where in infancy
or childhood, bleeding is, &c.

[The text on this page is extremely faint and illegible due to fading and bleed-through from the reverse side. It appears to be a continuous block of handwritten text.]

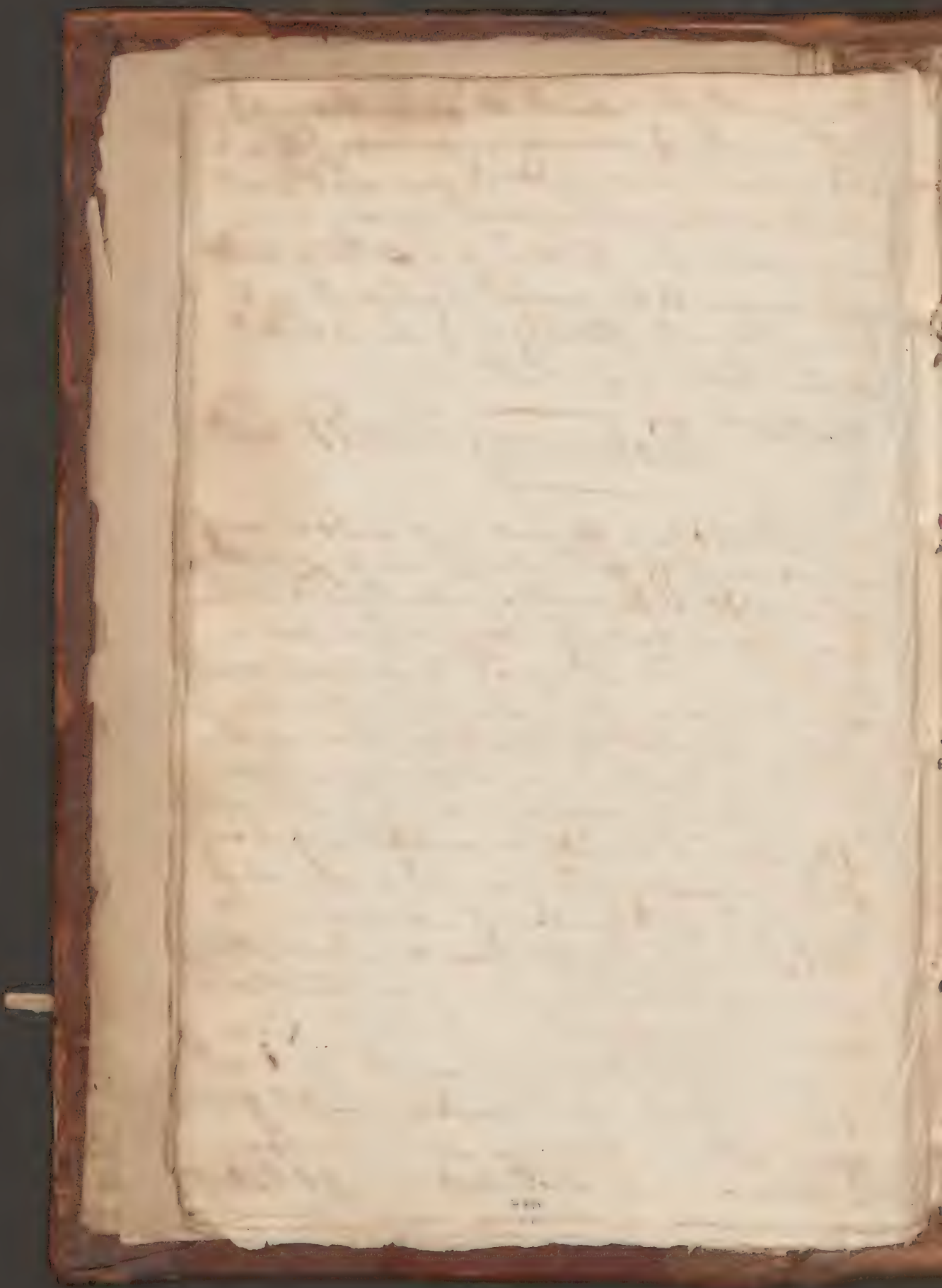
[illegible]

[Faint, illegible handwritten text in cursive script, likely a letter or manuscript page.]

The present is similar to the
Past. — In some manner, the
shd. wire in any direction, the
whether the present is a
injurious to the body, or if it is, blood
will never be enough to supply the
as such as to threaten of a
destruction of the body. —

Sept. 5th Weakening Remedy.

Bleeding is a good use in inducing
an easy flow of blood in the
it is well understood that
if eyes are red, if a jaundiced
full of blood in the head, or
delirium in the head, bleeding
affords relief to the temples, still
showing of the other, singular vein, the
in many cases can be of use.
Otherwise, blood is only useful in
the case of a fullness of the
of the body, the blood is
the blood of the plethoric — but if
there be nothing, i. e. no plethoric
the is improper — Some in
intermittent, there is no
has not perfect in the case of
the blood. — In this case in a
to procure perfect intermission.



away a small quantity of blood is
drawn off. This is a
mode to take off the humor
but when rheumatism is attended with
much g. i. (called acute rheumatism or
inflammatory fever) if in a climate not
warmer than this, in the country,
in pure air, blood may be
safely & advantageously taken off. In
a rheumatism in the east not so
much correct - but in in London
in warm climates, blood often
occurs metastasis to the interior parts
of the body so as to prove fatal &
therefore is not to be used - In
acute rheumatism in the throat, it is
to a very great degree in the throat affected with
rheumatism - Now bleeding from the
veins will often remove the pain.
We should & priori, have expected
this - for we should suppose if metastasis
would take place - but we find by experience
it does not - We may bleed from
the part so as to carry off g. i. in the
without any danger of metastasis
if there is no other part affected
we may bleed from all of them
without danger of metastasis -
In common suddenly & in full
habit, bleeding is often of use - We

[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]

and I suppose in this case a fullness
sufficient for the blood to be evacuated from
the part itself - but when they speak of
a blood-letting, & letting of blood & draw-
out, and in the 1st place, make a
greater evacⁿ so as to make the
body weaker - for the blood flowing
thru the vessels in the part & in the
the brain & comes, tends to keep them
open - Blood is more copious and
with a greater when of. haemorrhage, and
an exc^d action of the artery (called
active haemorrhage) - but when
the arteries are weak & a
coarctation, it is by no means useful.
I am imagining: affect. this evacⁿ
is sometimes useful if the part be
strong, to reduce him to a weak
& unstable state. by w^{ch} they may
easily be carried off

Handwritten text in a cursive script, likely from a 17th or 18th-century manuscript. The text is arranged in approximately 15 lines, though many are illegible due to fading and the quality of the reproduction. Some words are more distinct than others, but the overall content cannot be accurately transcribed. The script appears to be a form of early modern English cursive.

Book 52. Of Narcotics.

Narcotics are a class of med. ad.
which are ~~placated~~ ^{sedative}. Some have
been called ~~sedatives~~ ^{prod. stupor}. as narcotics. Hence they have included
sedatives such as parties of small
dose of stimulat. ad. are found in
cicuta, belladonna &c. But these have
only the effect of prod. stupor without any
other effects of narcotics. Narcotics
with the exception of stupor, in
small dose act as stimulat. in the action
of the heart & arteries. Now they have
been many who considered them as ~~sedatives~~
stimulat. but as sedatives rather, because
they tend to diminish the force of the heart.
In many cases they ~~act~~ ^{act} as the ~~sedative~~
time that they tend to diminish the force
of the heart, they exert the strength
of the heart, but increase in flow
of the heart, & take off languor from
all the effects of stimulat. They are thereby
to be considered as stimulat. without that they
they render the pulse slower
of some time. They act as stimulat.
they act as aching, & cause of some
repts. to contract so as to prod. ~~some~~
of the skin - ~~some~~ of the skin - ~~some~~
in tests & in short of the ~~some~~
the body - The asking of. They ~~some~~
is an effect of does not want a ~~some~~

March 4

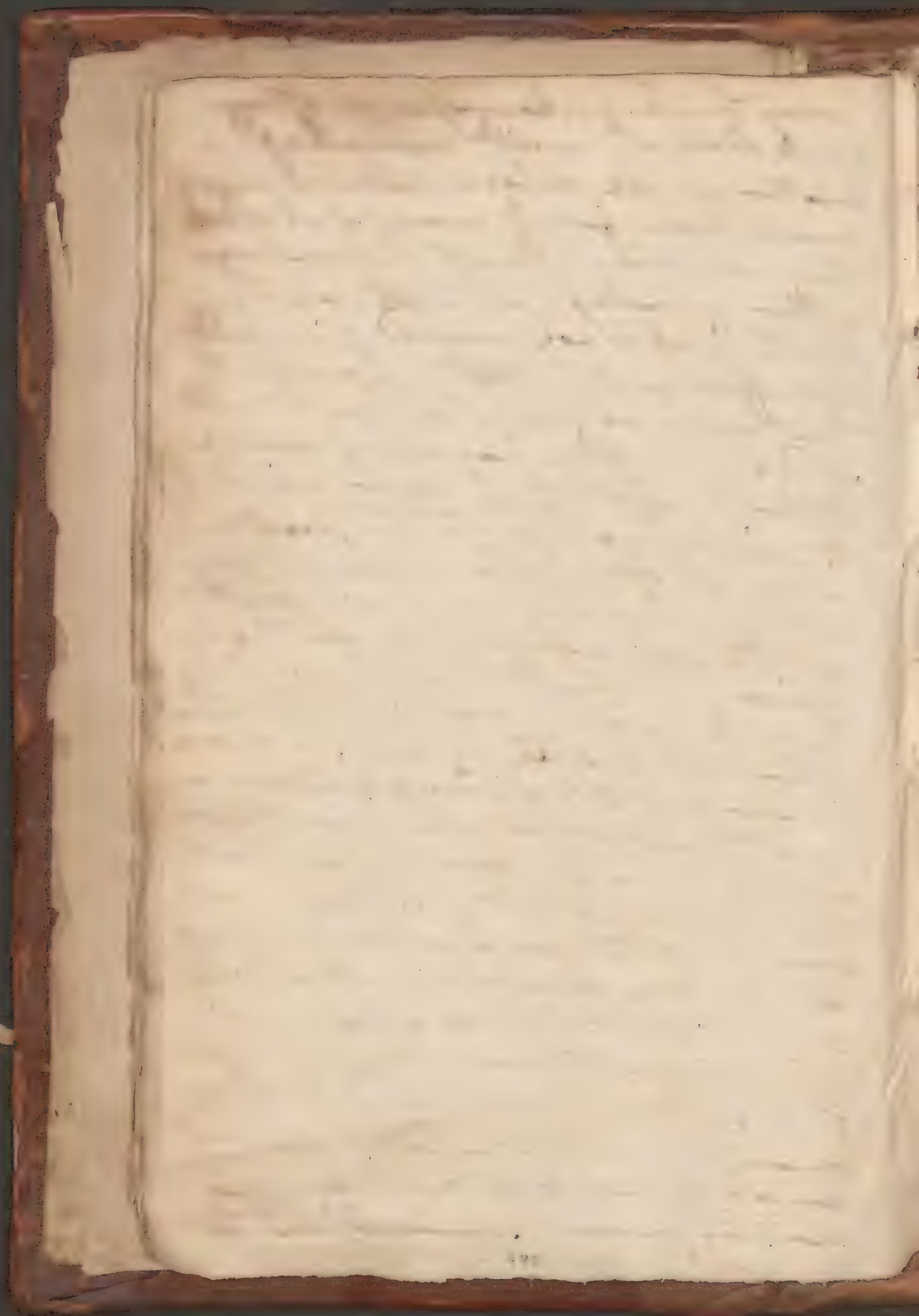
Dear Mother
I received your letter of the 1st inst.
and was glad to hear from you.
I am well and hope these few lines
will find you the same.
I have not much news to write at
present.
I am, dear Mother, ever your affectionate
son,
John Smith

time - so that great relief of course
follows after their administration
hence they have been considered often
as sedatives. - They diminish the sensibility
as to pain & pain in causes the
in themselves. - They also
tend to diminish the irritability so
as prevent stimuli & the causes
of their producing their effects. - But
they diminish the sensibility in a greater
degree than of irritability of the system. - And
these properties they are antispasmodic
among the most powerful of the
class & lastly, they produce sleep.

Now narcotics consist of wine
& opium - wine stimulates & more
opium produces stupor & diminishes sensibility
more, so that we find
them for diff. purposes. - Wine
contains this alcohol & we
have conceived of this as of an
heat of it it was narcotic - but
we do not find the effects of wine
exactly produced by a mixture of
alcohol & water in any proportion.
In wine there is a vapor which is
stronger as long as it is wine. - Wine
contains this vapor in considerable quantity
are much more powerful in producing
intoxication than those which contain
the same proportion of alcohol but
less of this vapor. - Wines which are

[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]

very brisk as champagne often
is - & more w. cont. in circulation
matter as all & beer, intoxicated more
more than for J. quantity of alcohol
they contain - Thence this vapor
either is intox. in itself - or it
spirits of alcohol would be in great
the effect - A g. part of J. vapor
thus rises is gas (what Dray would
find air) but gas has not of same
intoxic. effect of J. vapor arising
from wine has, when it is pure, as
when got from chelms or any other
substance - Gas then is most proper
with the sole vapor of J. is called in
wine - but another w. is called by
Van Helmont, gas signatus. The
action of alcohol is much more
creating of heat of wine & leaves a
great quantity - Any mixture of
alcohol & water leaves a great deal
than wine, & debilit. J. system much
more - so that for any medic. purp.
wine is preferable - Alcohol
applied externally acts as a power of
sed. but with any narcotic effect
It is only when applied to the
mouth - nostrils - rectum & intestines
canal of wine acts with a
narcotic power - Applied to



The spirit, either wine altogether or
alcohol acts as a simple sedative
& is often employed with considerable
as a sedative — The action of wine
is entirely on the stomach — The
are going over in a h. 6 or 9 days
happens by the time if it were
could get into the system & be
generally diffused thro' it — A large quantity
of wine, or a mixture of alcohol &
water drunk so as to become pale
disturb as soon as it gets into the
stomach. — If Dr. Lined for a
rain afterwards he is generally
his benefit. wine is
acts indirectly on the stomach —
Wine differs from medicines in
itself in its strength & weakness.
Weak wines are also apt to ferment
in the stomach — Some flatulency, &
acidity — and relief. Dr. will
be employed. — We should also not show
wines for medicinal purposes — Wines
in y. ferment & acquire fermentation — some
have it gone thro' so as to convert
them perfectly into wine, as port
& claret — while others have it
but imperfectly gone thro', as in
wines generally at least an obscure

A when they have little or no
superfluous things they may
easily afford any style or
hood

ferment. 18 years to leave it
what is called rawness - with
in the wines unless they have been
kept such a length of time that their
obscure ferment has done what
the active does in other wines, &c.
improper to be employed in wine - for
only those who have ferment, &c.
it is not - ~~the~~ Perfect of desire
is of the grad. by a better in of operators
as to management, fit - and this
if they are more capable of doing what
work is made in large quantities - and
therefore such as he employs - &c.
with the wine employed in wine, &c.
be neither very brisk nor very flat
when it is very brisk, the effects
cost for a much shorter time - &
when very flat, it does not hope
to show as strongly - Wine,
in the kind of flavor - & not
of ferment, for we wish to
when we employ them in wine,
for the same reason it is better to
employ wine than all or less
have a large quantity of gas contained
in them, &c. - Since we
if they be strong & well fermented
are the best in wine, in fact
to all others, because they give
more strength -

[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]

Mountain wh. we kept 10 or
14 years before it is much
dried, 8 or 9 years — We never
rarely have them at these & its
but if we have not, mountain
is apt to be heavy & of. susceptible
there's a quantity of native veg. acid
+ the effect of J. ferment. in the
wh. the body with making & should
best country — then w. sweet wines
if kept a suff. length of time, are
preferable in made

Sept 53? Narcotics cont.

WINE may be empl^d as a
stimul^t to produce digestion
when indigestⁿ flaty & acescence
det^r the G. L. has b^e conc^d of a slight
of alcohol & water was better empl^d
than wine — but in practice we
actually find if a m^{ch} of there
is more apt to prod^e flaty or
acescence than wine — tho' consid^r
J. matter & prove we sh^d be
~~led~~ led to believe diff^r —

Wine is empl^d in G. L. for
support of strength towards G. L. better
and of food — this J. best stim^t on

Handwritten text in a cursive script, likely from a 17th or 18th-century manuscript. The text is written on aged, slightly discolored paper and appears to be a letter or a formal document. The ink is dark, and the handwriting is fluid and characteristic of the period.

Yours most humble servant

Handwritten text in a cursive script, continuing the letter or document. The text is written on aged, slightly discolored paper and appears to be a letter or a formal document. The ink is dark, and the handwriting is fluid and characteristic of the period.

act. of its ~~nerve~~ ^{nerve} power
of act. of. we can employ — A
man in as much effort to q. large
matter of. might prod. a q. wine
is also the most powerful remedy
to prevent it — In infl. as wine
is power. in prompt suppr. &
but a good stimulant & one of the best
to occas. good phlegm. infl. & of course
suppr. when q. catarrh is expected to
come off quickly — In erysip. infl.
wine has been used & stim. to take
it off — Erysip. infl. has somewhat
in common with spasmodic affections
in this that by making q. whole or then
act more powerfully we take off
the parietal action of a part — However
the back is much prof. in erysip.
infl. — In gangrene & mortification wine
is also a powerful remedy & ind. of the
kind of phlegm. infl. it is necessary
for q. sep. of q. dead part — The
systemic effects if there is at any time
tendency to sinking from weakness
or when there is any determination
of surface to the interior parts & the
body, if there is not any sinking
in the small part or in q. middle
part or when the part gives in
the interior parts of the body —

[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]

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In all such cases, we are in a more
quick-acting stimulant. & may be
often supplied with good effect.

Opium is *S. picea* poppy ad.
grows principally in *Arabia*
& the parts of *E. Ind.* — We are not sure
whether we have *S. species* in this
country or not — but all *S. species* of
S. genus of *Preparatu.* are well
known, & contain *Opium* — The
white poppy of *S. species* we have
in this country cont. the largest
quantity — Some have come, but others
was also *S. in* some other plants
for if we examine *S. poppy* there grows
out a white juice like milk, which
is of a bitter taste & dries into the
residue of *Opium* — Now *S. met. cl.*
of plants which are by Rays call'd *Opium*
flowers, as *Linum catharticum* &c. if they
be macerated a bitter juice flows
out of a milky color — & they have
a small seg. *perianth* flower —
which some suppose they could *Opium*
as well as some of the other plants
which could flowers — If root. they
have *Opium*, this is in a very
small proportion of the whole of
the bitter & milky juices which
are not *Opium* — The *Opium* is more
in a *diff. substance* which has been

Handwritten text in a cursive script, likely from a 17th or 18th-century manuscript. The text is written on aged, slightly discolored paper and is arranged in approximately 25 horizontal lines. The ink is dark, and the handwriting is fluid and continuous. The text appears to be a single paragraph or a series of connected sentences. The paper shows signs of wear, including slight discoloration and a small tear near the bottom left corner. The overall appearance is that of a historical document or a personal letter.

small narcotic juice - The best
specimen is procured by macerating
the capsules of the *Polypodium* in
seeds are ripe & ripe into shells the
juices will flow out & to the juice
in the stem. There is little of this
juice comes into Europe - The
best is procured by taking the capsules
are commonly called the seeds of the
as far as much specimen has been
as can be & expressed the juice from
them. This is the best of the juice
if we get in a good one - The worst
is made by packing the juice out of
the whole plant & allowing it to dry -
The specimen he found & he said that
it is uniform in its appearance & it
was a flat & a mass of it into 2 by
pulling ~~from~~ ^{with} a spider of a brown
color & somewhat transparent, with
an appearance as if it were uniform
with a fine powder & if
dried & he found it breaks into
a glassy surface with some appearance
of a matter in it - It
has any pieces of the stalk of the
plant, we may be deceived
if it is it. It has been expressed from
the whole plant & I think it is

It is to be shown in an ancient
water & cutting it in the
a piece of linen, in which what
remains of a little ~~water~~ school
I cutting it. It is also - then
cutting the whole, & ena of the
water again with a gentle heat.

lost - when moist it contains
1/3^d of its weight of water - It is
fine spirit in small doses, &
I expect very certain effects from it
we ought altho. to take care to
strain it before we employ it so
as to get rid of all foreign matters.

Opium may be cut pl. in
subst. - but if we wish to give it
in such small quant. of thick
scales will not weigh it properly
we may cut it with a very fine
knife some solid subst. - Now
it was come? of spirit was except
it had been with. but corrected
it. It is very old quality, it will
destroy the body - & therefore spices
have to be added - but they are not
either necessary or proper - It is
mixed of spices & spirit (when it is
necessary to complete spices in the spirit
are necessary in diff. constitutions - It
therefore better to keep the spirit
in some other subst. & to mix
it. sp. with it so as to have it in
a solid form - but when mixed
we sh. be very careful to mix
them together so that there may
not be more sp. in one part than another.

[The page contains approximately 20 lines of extremely faint, illegible handwriting.]

Opium may further be employed in
solution outside the into small
doses — the Opium is either in
wine or a mixture of alcohol &
wine, w. is rather preferred. — Opium
prep. very perfectly in either and
at the same time it is exceedingly apt to
ferment & therefore, we find it is
made more of the solution of it at a
time than is to be used in 6
or 8 months — The juice of
white poppy has been employed preserved
by being combined with sugar so as to
form a syrup — or sometimes the
extract of the white poppy has
been employed for Opium — This
is more uncertain than Opium
in its dose, & medicinal qualities —
then an of. When raw Opium is
apt to produce spasmodic effects & be
the system considerably of action
of the white poppy has been supposed
to have less of this effect — It
may indeed be used in some
cases where Opium particularly
disagrees, sometimes with advantage.

From my dear friend
John C. O'Connell
New York
Dear Sir
I have the honor to acknowledge
the receipt of your letter of the
10th inst. and in reply to inform
you that the same has been
forwarded to the proper
authorities for their consideration.
I am, Sir, very respectfully,
Your obedient servant,
J. C. O'Connell

apic. in choleis Pictorum it is
adventitious - In this case
we sh^d be very cautious of
mistaking infl^{am} of the int^{est}ines
for this disease -

[illegible]

[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]

powerful species - It is a remedy of
card. efficacy when any of the bilious
dyscrasias have count. as of the trachea & the
stomach passing into the duodenum in
jaundice & also when jaundice is produced
on a spasmod. count. of any of the
ducts - In cases of stone & stricture the
ureters the ducts of the pancreas & the
concretions & prevent the getting of water
the pain is a neuralgic pain & will
be relieved. Dis of neuralgia & neuralgic
In all these cases of spasmod. count.
it is necessary to combat the spasm in
a full dose - The regularity of sleep
a grain - In hysterical affections
it is also one of the most efficacious
as an antispasmod. - It is indeed
a powerful in cases of affections
a paroxysm of the dis. & will end the
irritability of the system, & tends to eradicate
fresh & prevent the spasmod. count. after
especially in children that are weak in
such cases of dis. & is perfect
in spasmod. pains in the face
count. at the time of paroxysm
pain is a neuralgic pain or the pain
of the gastric pains & they are the most
induces the regular excretion of
necess. ~~and~~ to relieve - It has
not little effect on ~~spasmodic~~ in
spasm of a nerve or in spasmod.
pains in chorea & angina & in
rheumatism & in tetanus

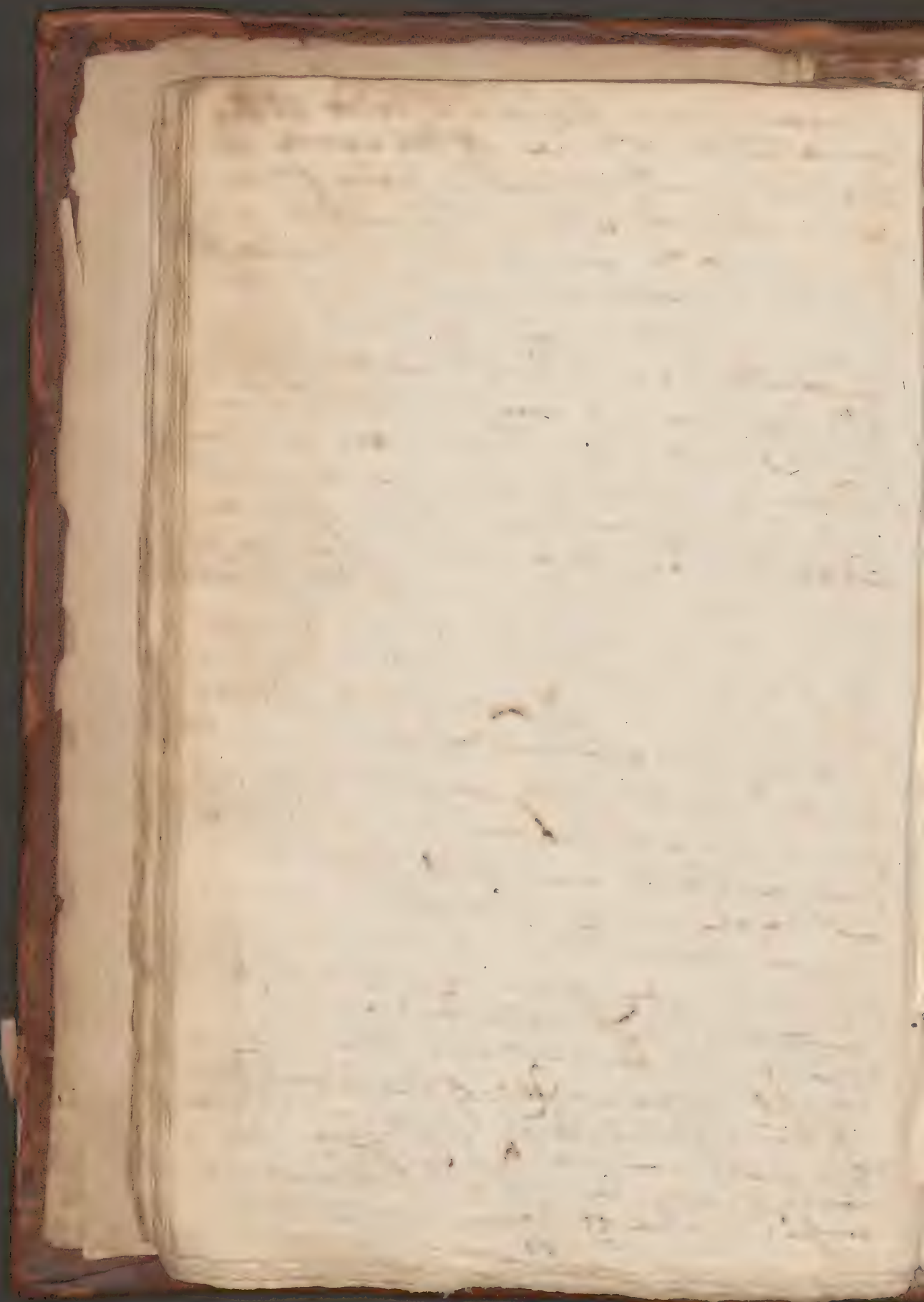
a. If quinn can't. If telenus it is
in some other sp. than it is
in quinn sent. For when the sp.
is quinn the sp. gradually increases.
If

it has been much used
that the use will be more
in this case - even more than
to destroy the Cat. in Health - because
every hour has kept in power & power
in 24 hours - but Dr. F. could not
satisfy himself whether Opium was
of any use in Tetanus or not. He
inquired. a number of times for it, &
the Cat. says yes when Opium is used
& sometimes no. when not used.
This shows the practice at present
to employ Opium in large doses - at
least a grain every hour in this
dis. Opium has been
in the case of pain - Pain is abundant
anest. but it is most common of a morning
some dis. & seems intended
by Nature to give the Patient time to
apply remedies to the cause, or carry on
dis. & therefore we are by no means
in all cases to endeavor to remove
it - In the case of Opium
the use of Opium is certainly a great evil
& does it mischief in the system
because it produces a state of respiration
tends to suffocate the Cat. & the
inflammation to go on with the Cat.
It is sensible of it, suppresses the
into the cavity of the throat
take full 2 of Cat. and Opium is
Opium itself is only to be employed

a. 1. for inst. if an affile contact
a. 2. a contact to the skin

61 As Spinal Punct. the vitality
& sensibility of the body, if it is affected
by any cause of Disease
as infection, exposure to cold
&c. may be said to prevent
action of any virus cause with
which it is in contact.

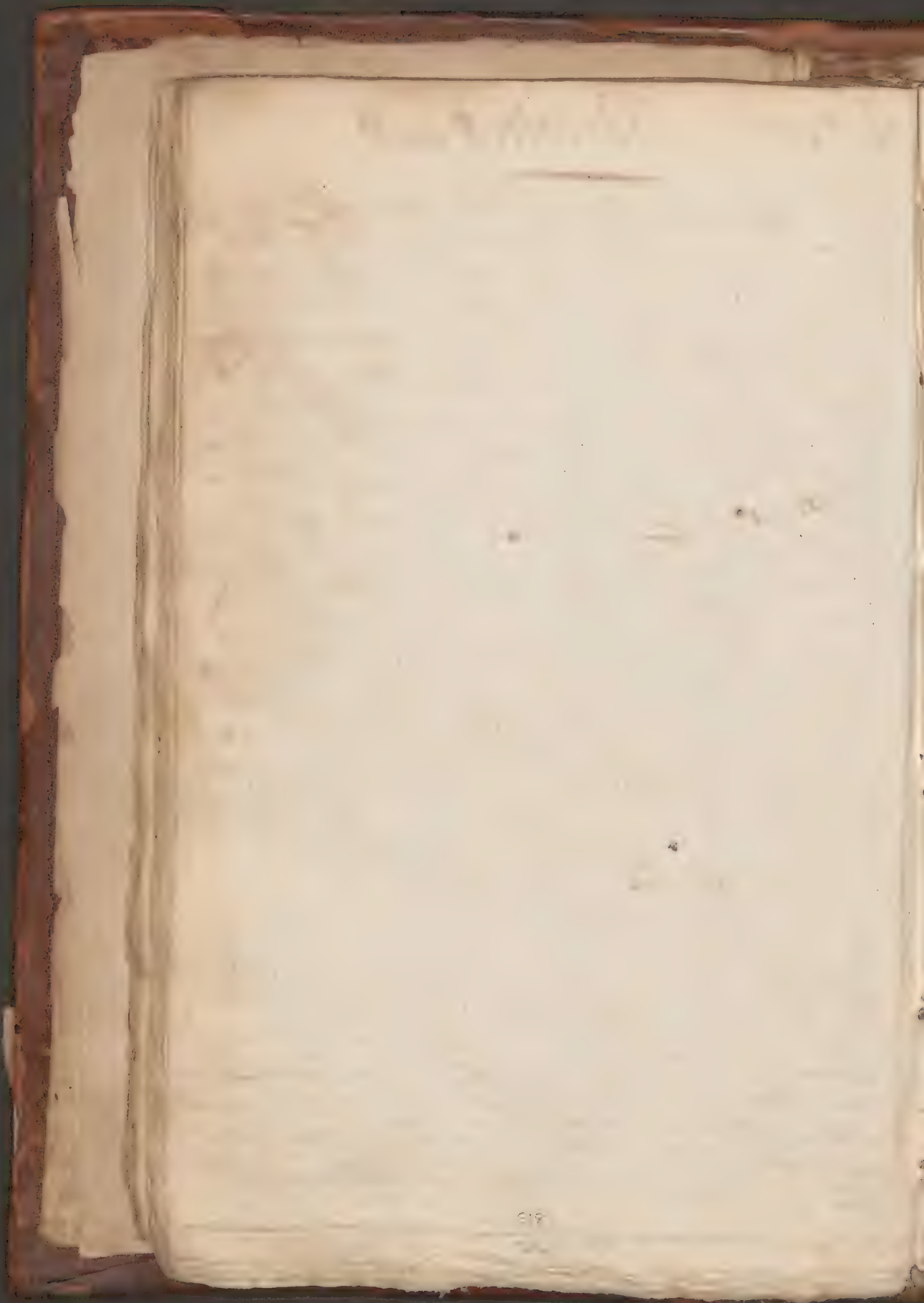
present pain. It is a kind of the
same time to take of the cause of
that pain. If there be pain from a
stone situated at the neck of the
urinary bladder, it is evident that
the cause of the pain is the stone, and
undoubtedly the complaint is the
2. When we are employed a stone, of
size pain, & when there is no contra-
indication to its use, the proper
remedy for pain is to apply
a stone to the skin to a solution of pain in
pain, and the pain is to be
of the sensibility of the skin, & the
less pain & so on. The present
is together. If a simple operation
is to be performed, pain may be
completely internally, so as to take
the sense of pain. When a
painful disease is the cause of
natural course - a natural course
is not obstructed by pain, as when
a phlegm is going on to suppuration, & the
process is not retarded by pain
and pain. Advantages of the relief
the patient in some degree of the pain. During
of time that if the pain is going on, & the
its natural course, & the pain is
causes pain cannot be relieved by
completely to take off pain.



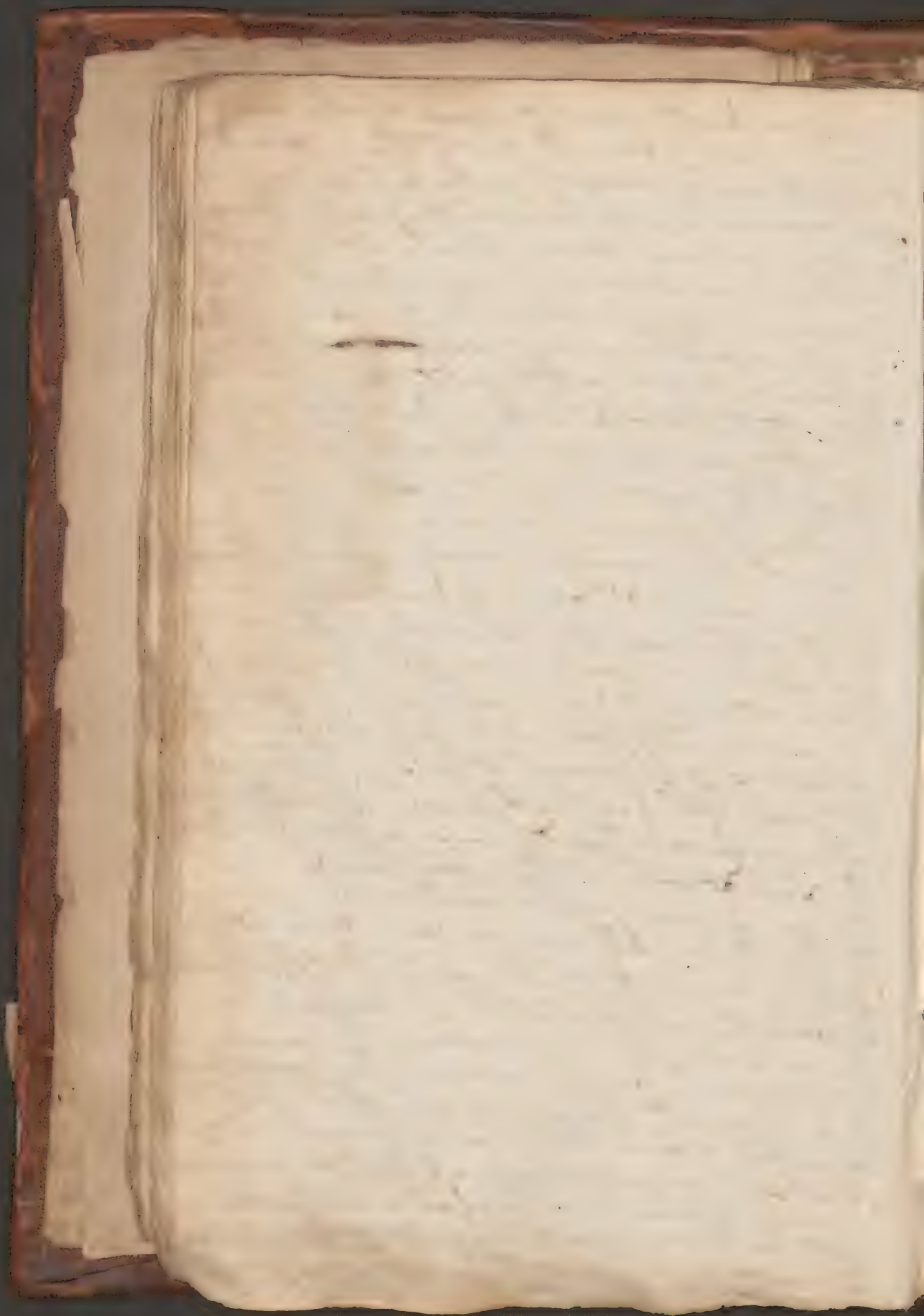
Sept. 5. 54

Narcotics cont.

The sleep procured by narcotics is a
very uneasy & short. many I feel but
it is a sleep. — It is often a sleep only
a sleep of昏迷. While the mind is
blank, does this an infinite amount of
a man awakes exhausted instead
of refreshed — he soon awakes, then
he is all at once, in a few seconds, if when the
narcotics have been used. Dr. Squire says —
nothing of the kind is much as I feel
the idea of the dream again with the
same intensity. — In the country, many
squire says in many cases, a sleep of
can sleep with the eyes open. Dr. Squire
of the mind of a man he procures by
this means — he is in a state of sleep, but
squire about sleep, just as an ignorant
a helpless situation — so that when a
inflame is going on to suppress the
and, the very purpose to relieve the pain,
and if, in the sleep that it procures
is very much more than of pain at
the point. The more the suffer — When
therefore, this is a complete sleep, in fact,
it is rather to be feared of sleep, than
take off the pain — This is a powerful
& useful remedy for this purpose in
all cases of pain, there is the great
for all piles, in the going on to suppress
on the hand added, in any case, in fact.

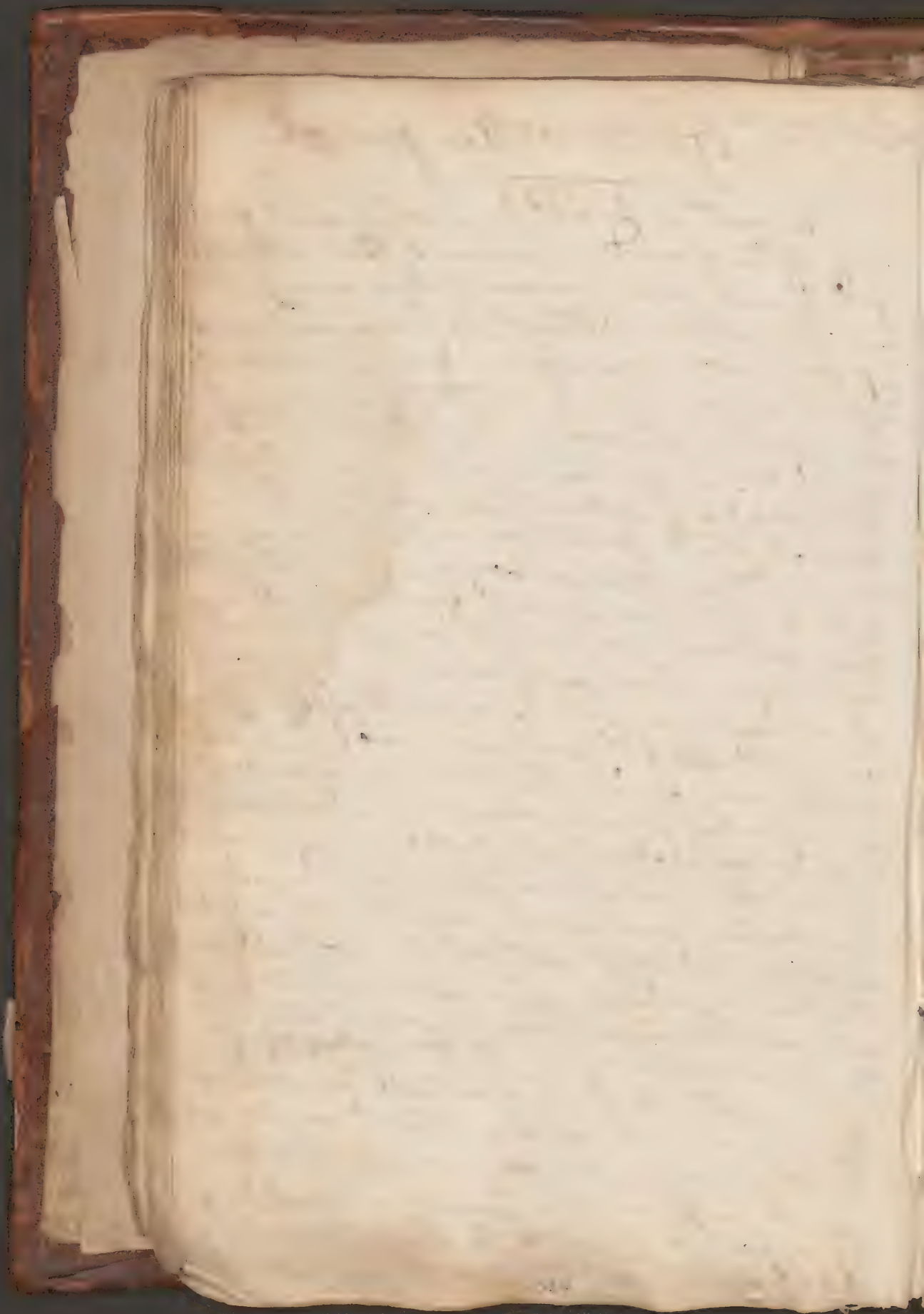


High prot. quiescent case sleep
gent. - but has not amount of
effects on the infl. - In fact, the
stomach seems towards the end of the
inflammation, almost all the
contents of the stomach sleep - His heart
in small doses home, and many of the
repeated every 8 hours, and
I have, it was not so good in the
the fact to call into a kind of
the patient on the 1st of the
the fact papers that the
state of the much more
is not the most, expect which there
any cause of the infl. of the
the system in cases of infl. with
gent. spiritus may be employed to
sleep advantage - It has been
as an antispasmodic to prevent the
relapses of the parox. of the - It has also
been exhibited in the parox. of inter-
mittent fevers to produce more perfect
rest and advance this disease
is very very good authority - but
I have never seen him ad-
ministered from the exhibit - but
indeed the intermittent. of the
low down, but no means of violence
of the infl. of the infl. in many cases
I have seen it given almost all the
a rest of the infl. of the infl.
instead of quick sleep - It tends more
muchly rather to excite the
all to the inferior parts of the body
the infl. of the infl. of the infl.



[illegible]

His may be long by throw of me
into the system which will stick by
salary of \$1.00 as to end. The sec.
for this is to be by taking the
revenue in the amount of \$1.00
the salary of the first \$1.00.



2 purging prod. - In one case
and I see by relapsing glands ~~in one~~
what the chin by granitic luster ^{in one}
into prod. an acid, secret. - This
and I have by apply of today
to the chin itself because it is
applied to it only as a remedy
So far this very clear as to the prod.
of the sect. of glands - but there
have been various other ideas
referred to it
It has been thought of as a wat. prod.
an attract. to certain glands of the
as a magnet. has to a certain gland
so that when a fermentation got into
of intestines, it wd. attract it to the
This was an idea in the
of med. - It has been said that
in some times & certainly is not
true; for we know of no such attract.
contributing to the idea
that of wat. might be a prod. of blood
& render it more fit for wat.
as breaking down of blood & render
it purer - This opinion is
by in a very high degree prevalent
out of all probability - For should we
suppose a man could if he were
cutting the Thames to make
it purer? And if there were
solid particles got out of the
water, where is there any substance
possibly disengage them or
have the water from them

2 caustic & Op.

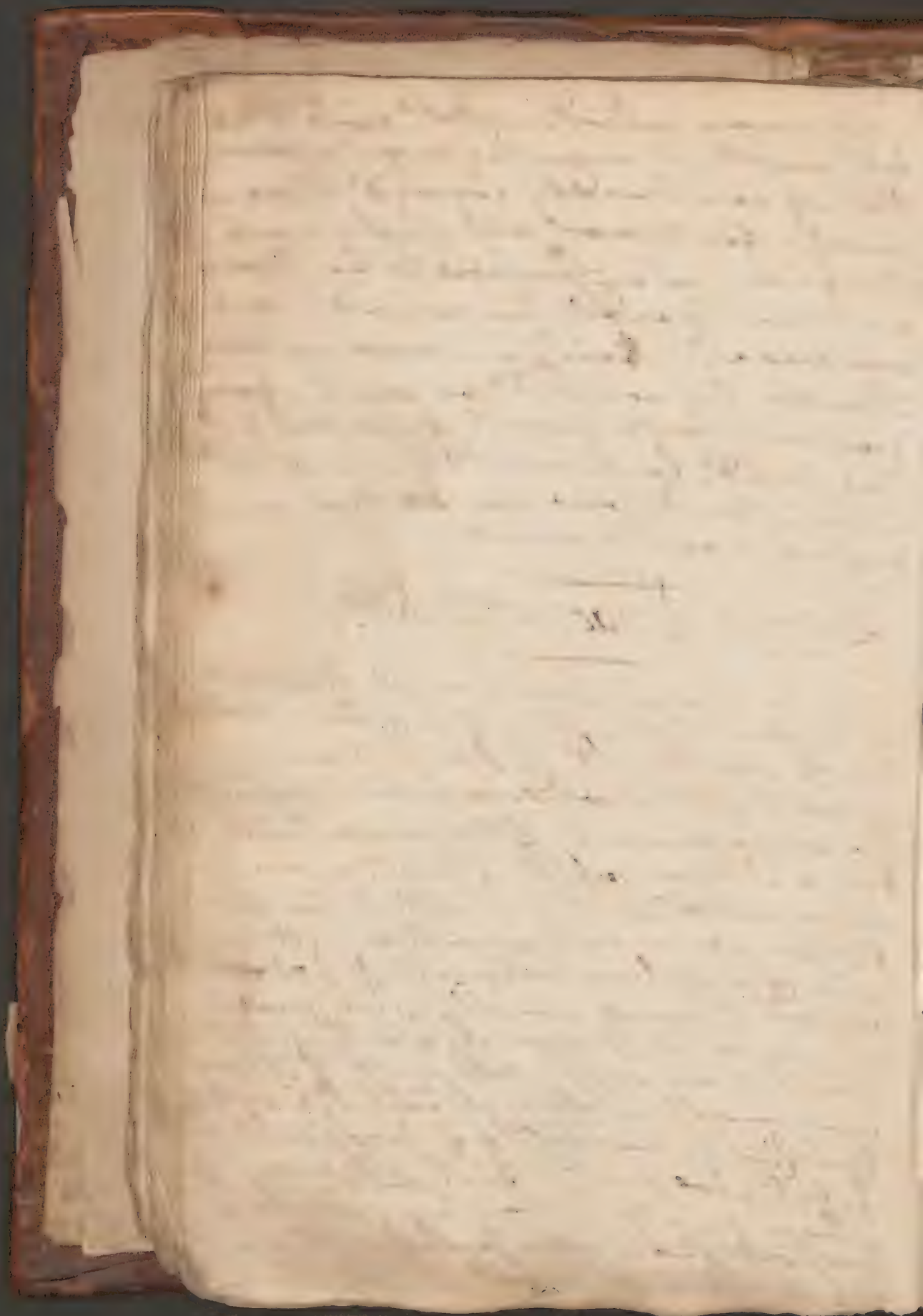
There are 2 circumstances to consider
either one or the other absolutely impossible
in J. P. M. There is no question
if we can send into J. P. M. that
it will not be saturated completely
it can reach them. — Now the
9 ~~th~~ into the cloud it will
be so sat. It is necessary that
of the rain it must pass over
before it gets into the cloud
Moreover if there were any
obstruction of any part the water would
get at the part by J. P. M. — If
J. P. M. be already obstructed it cannot
get there at all — There are cases
of water in the air we know we have not
shall why they should be J. P. M. — If
we could go a priori, we should know
positively of this. There was a
spectator in the field — We could
the small section of the field in the
camp, we should know it was impossible
to any quantity of an spectator
in the field. There is no way to produce
any effect — Some facts even
of the highest rank in the J. P. M.
for instance have been taken and the
method of solving this difficulty — &
saying that there is no
spectator at all because it is
not the account for — But if we expect
to produce effect it is necessary

Handwritten text in a cursive script, likely a letter or a page from a manuscript. The text is written on aged, slightly discolored paper. The handwriting is dense and fills most of the page. The left edge of the page shows the binding of the book, and the right edge is slightly irregular. The text is written in a single column, with some lines appearing to be part of a larger paragraph or a list. The ink is dark, and the paper has a warm, yellowish-brown tone.

We may introd. subst. into the
cell. repts. w. may be used again
tho' we can hardly count. These
subst. - for the most part, and as
frequently in a purpose to be
subst. can hardly be counted. as
an exact. - How. in many cases
it may be counted. as such - for
drinking large quant. of water &
has prod. large secret. of urine. &
some affections come on so that a
diagnosis has been made.

Teeth & the Evacuants cont.

The 1st obvious purp. of evacuaⁿ
is to clear the system of morbid matter.
In all ages of med. it has been
evident if the solids remain nearly
the same, & nearly of the same structure
hence it was supd. if dis. arose from
some altⁿ in the prop. of the fl.
for some morbid matter getting
into the system & the eff. of purgatives
remed. if were simple, were exact.
w. were to purge off J. diff. gutta.
for it was supd. not on of J. there
was morbid matter got into the system.
but that J. variat. of J. purgatives
J. & C. also prod. dis. & the purgatives
when one J. was in greater
proportion than was J. & C. there
were certain exact. & the



of that - so that there were hydrogagues
 wholigagues - melancholigagues &
 meningagues - & so on. (but not to be
 counted as phlegm - bile - black
 bile & blood - the ancient medicine
 had an idea that somewhat the same
 was too hot & moist, too cold &
 moist. Outside there was. There
 were sedative & stim. remedies.
 and ~~the~~ cold feet - There was an
 imagⁿ of the body was somewhat too
 dry - somewhat too moist & so on. It
 has therefore, in former times, to supply
 maintaining them. & somewhat, in im-
 ones & id. asking. A small
 This comprehended of whole ideas
 of of Greek Materia Med. is left
 indeed antidotes w^h w^d destroy the
 effects of poisons - but their idea
 principally was to supply what
 to get rid of them of a superfluous quan-
 of any of of. particles, remnants of. were
 caught in the body - or any noxious
 matter of. might get into the system.
 This has in a measure remained
 modern medicine - How we
 know of. The v. c. does not
 consist of phlegm - bile - black bile
 & blood - but of red particles - serum
 capt. by m. p. & superfluous matter
 we see further of. it is of one
 course. What good for the

[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]

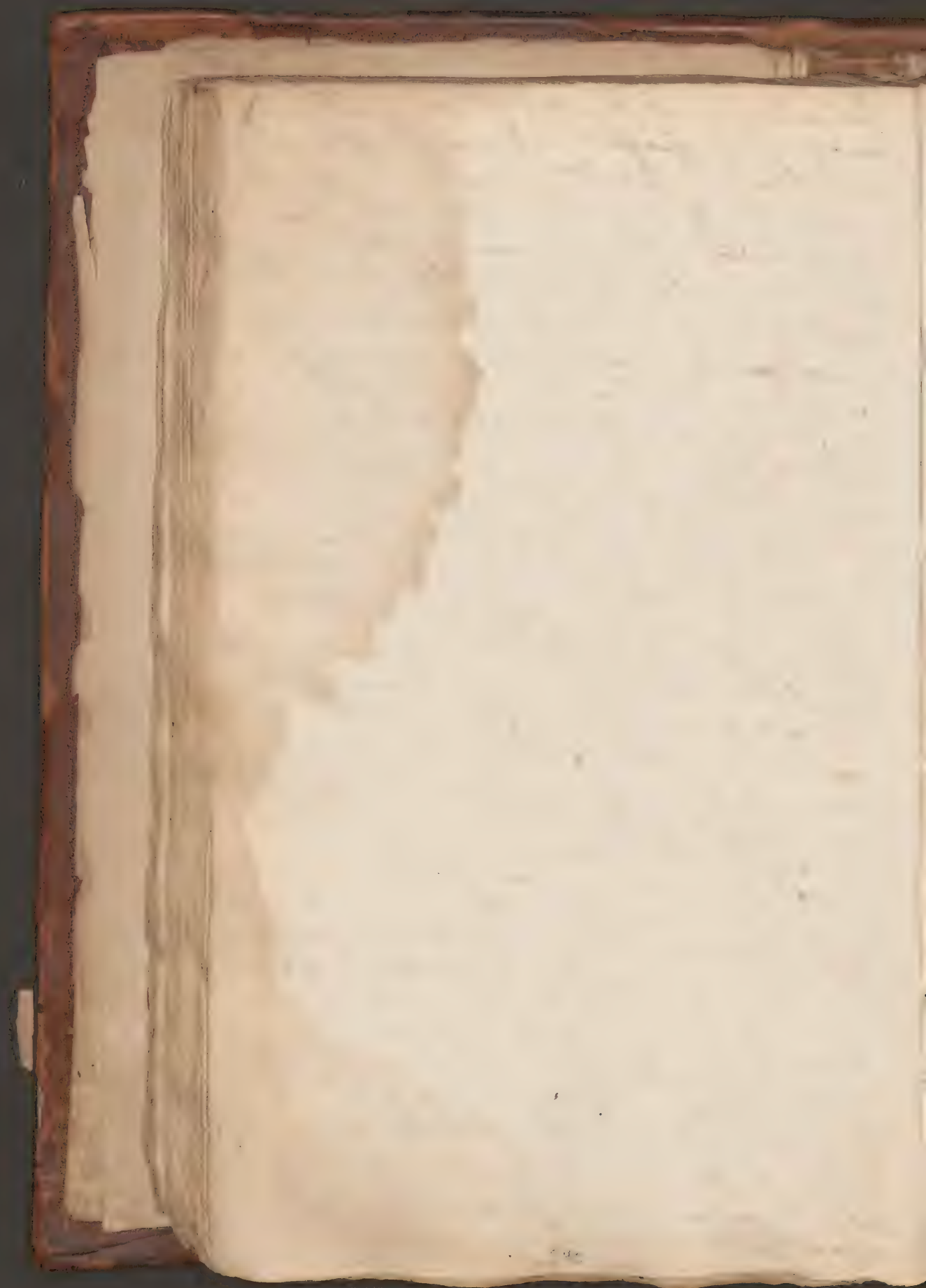
lead to one another - for one sign
a man in perfect health has
a quantity of coagul. lymph. ⁱⁿ the
a very small one - & so of red
particles & serum. We remove
these simply exact. to alter the proportion
of the ^{red} in the blood vessels -
when there is too large a proportion
of the thinner parts of the blood and
we suppose it at least we will
evacuate them leaving the thicker
ones behind - i.e. that we will
exact a superfluous quantity of blood
leaving the red particles & coagul. lymph.
behind. But when we get too
much large exact. if it be such as
urine or sweat we find that
instead of diminishing the thinner
parts of the blood we diminish the thicker
ones - In this respect exact.
is the reverse of what we want.
We suppose it to be so. The fact
is, that the proportion of red particles exact.
in lymph & serum depend upon the
in the action of the vessels - When
they are acting strongly of course the
digest. are in good order & there is
good stuff. When the red particles & coagul.
lymph. are in quantity - On the other
hand, when the vessels are relaxed
the blood is thin, then the blood is

[illegible]

1. If matter lies dormant in
any part of the body, matter will
make it be brought up as to food,
an effect — Thus nerve matter may
lie dormant for several years, in a
part of the body, has been brought
perhaps in Europe, a stimulus of
tingent, & brought into the
system so as to produce the
effect.

Cap. Net is general wack -

The action of particular parts -
may be of infl. - Enact. -
must be left. - Grad. an alt. in the
proport. of the bl. in the diff. parts
of the body - A larger quantity of the
bl. is made to circulate thro' the
repts. of those parts for which the
enact. is made - Hence we see a circula-
on wh. in particular infl. of the
infl. is at a distance - & the quantity
of blood is thrown out of the
veins. - Then the enact. will be more
in carrying off infl. - Enact. is
then to carry off infl. for the parts near
where the enact. is made to take
place - Enact. is of great use in
for infl. of parts that are inter-
enact. for the pt. are less powerful -
Punctures are useful in infl. of
exterior parts - Indeed these are more
powerful - Every part at. of infl.
the infl. of the interior are
so contracted that enact. that
enact. can be made for them gradually
and are necessary - In infl.
of the thoracic viscera they are strong
for the infl. proper, but enact. of
the infl. of the lungs is useful -
Enact. are useful to promote
absorption, & indeed to prevent
effusion - A quantity of bl. in
the pt. is thrown out and
of the body, enact. are useful to
cause adhesion to promote
absorption - If there be



quantity of blood about in the brain
may be empty. The amount
is present for the extent of
ground of absorption. What is
But what are made present in
proportion to the absorption
of watery fluids than they
they do on a principle - when
of blood vessels are simply, they
the less force on the blood
vessels, & of course the fluid
an easier substance in the
2^d they promote absorption in
have a tendency to encourage
of absorption. There is of
of sympathy between the
of blood & absorption of when a vessel
it takes place of blood, take
it in order to supply of place
the blood vessels. - Quack for a
man where there's a disordered
water is more present
at a distance as in case of water
in of brain arteries are in
great advantage in those of
of throat, expectorant &c. -
to be observed that at the same
time, if it happens of accident
hemorrhage take place in canals
of the heart - in the case of
giving weakness of system tend to
a fresh disordered take place in the
rarely observe in that case
rather some of disordered

a Chaper is an exact. w. takes
up a very great surface and
is sometimes prod. a flood of blood
I shall a Down in a
cancer & the eff. dimin. the
quantity. is increased externally.
By this means, they tend to be
of the kind of the skin & in fl.
an eternal accident —

tumors pressing on g. lymphatic
In that case, it is g. & a
use to empty. For an an-
cure of Cat. sagueni from the
should be cut off. Had shew
and for a scirrhus liver of
preparation on the acin. in g. & a
accant the water to be cut off. it
is of no use to empty unless as they
tend to weaken & destroy the Cat. soon
than he is. The end. In g. & a

Sept. 59th

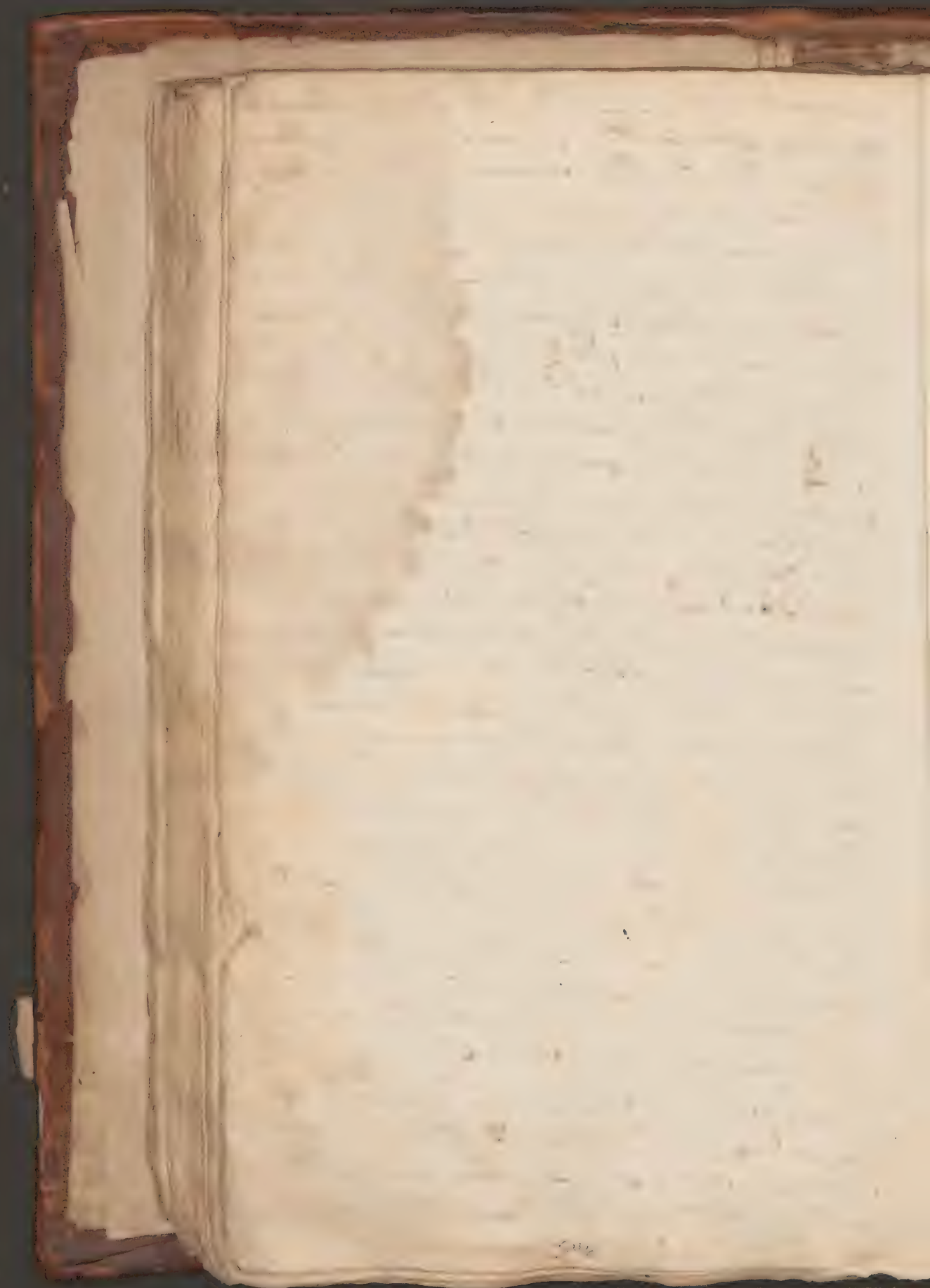
Of Errhines, Sialogogues, & Expectorants

Errhines are a kind of g. & a
the use of g. & a. They are
empty. For an an- they are
the system g. & a. They are a kind
used in g. & a. of the eyes, & a
such as go on for a count. empty
of time. They are also of g. & a.
of any insect has got into g. & a.
minutes, or any of the other cat.
common. with the aphids, & a.
they have made insects. & a.
near, very much. head, & a.
other part of the system. & a.
other part of the system, & a.
head. In g. & a. & a.
the head, they have & a.



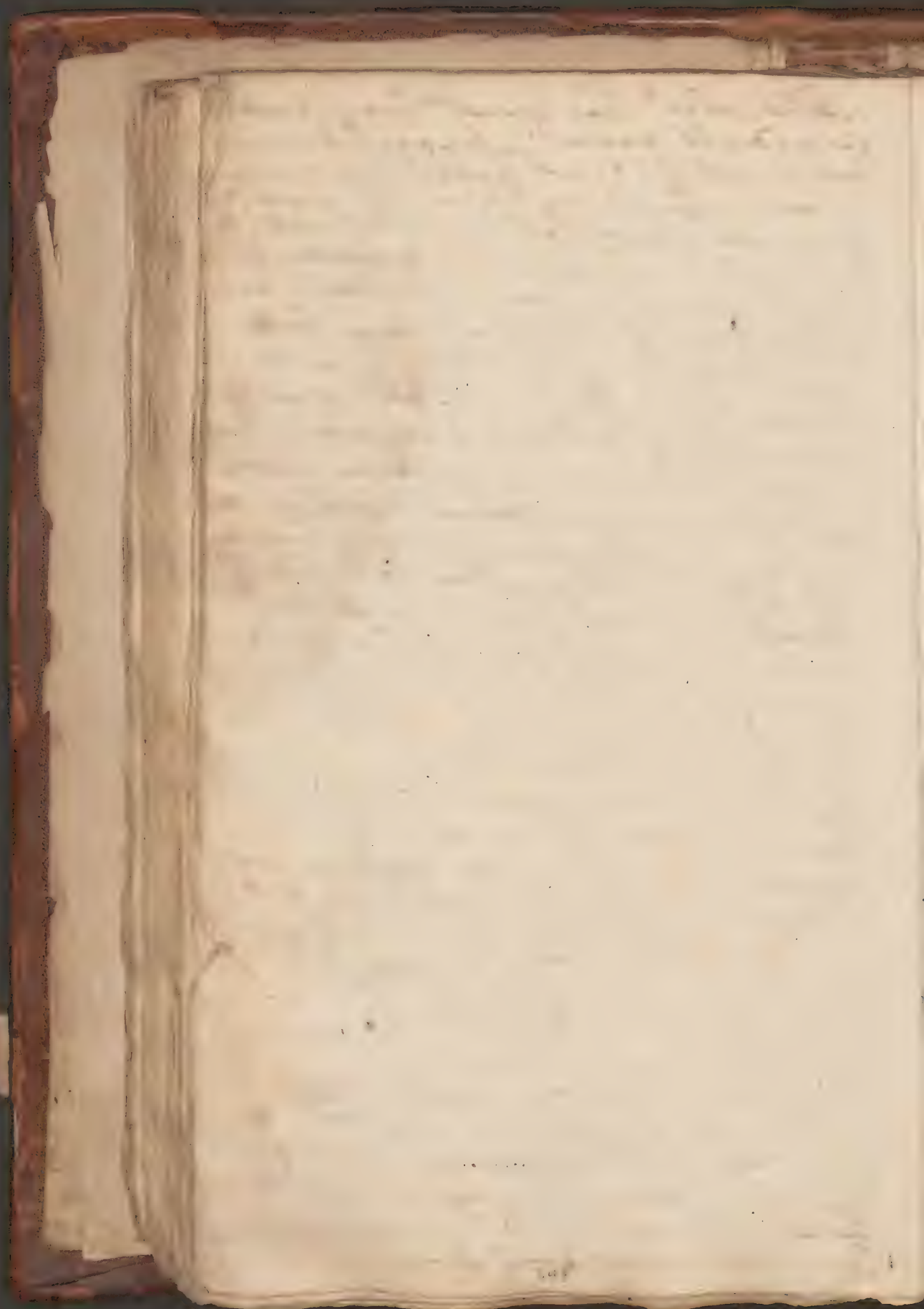
some of the drugs with advantage
also advantage in cases of matter
deposited in the brain - The
cephalus internus however is a
very uncertain sign - In some cases
of pitting especially when in the
lids in stopping as well as in
other cases of pitting - which
have for the purpose of advantage
whether they arose from
in the brain or not - The
eruptions seen in the face
catarrh a.c. lutea, betonica,
animum vulgare, but the
bearded *Quercula rosmarinus*,
4 or 5 more of the fragrant *Quercus*
asarium euphorbium helleborus
albus iris motha nicotiana
ptarmica, pyrethrum - The
last are powerful stimuli & can
be employed by themselves -
The mineral has also
made use of - but it likewise
can hardly be employed in itself -
It can be mixed with the
rosemary or some other of the
mild ones in such quantity as
can easily be borne

Dialogaues are such as
and of the part of the
Name of these can be employed
as to produce an effect on the system
without violence -



Altho saliv. has sometimes been used
in order to occasⁿ absorption in
drops, yet it is not proper by any
means — His theory there are several
few cases where it has been used
by empl^y of mercury in discharges, but
many more have been tried in
interrupting it — None can be
applied to the mucous membrane
in the cat^l. as to
stimulated directly by excretion ducts.
The glands are an *Alveolar* case.
Epithelium, *imperforata*, *nictitans*
piper, *pyrithium* — Aids have
also been used, & in the to be
thrust — Now they cannot prove
such a secret for glands of the
mouth as to be of use in the
system in general — That they
only produce for w. they can
be empl^yed in cases of bad
rheumatic pain about the
face — In such cases, *giglogene*
may be advantageously empl^yed.

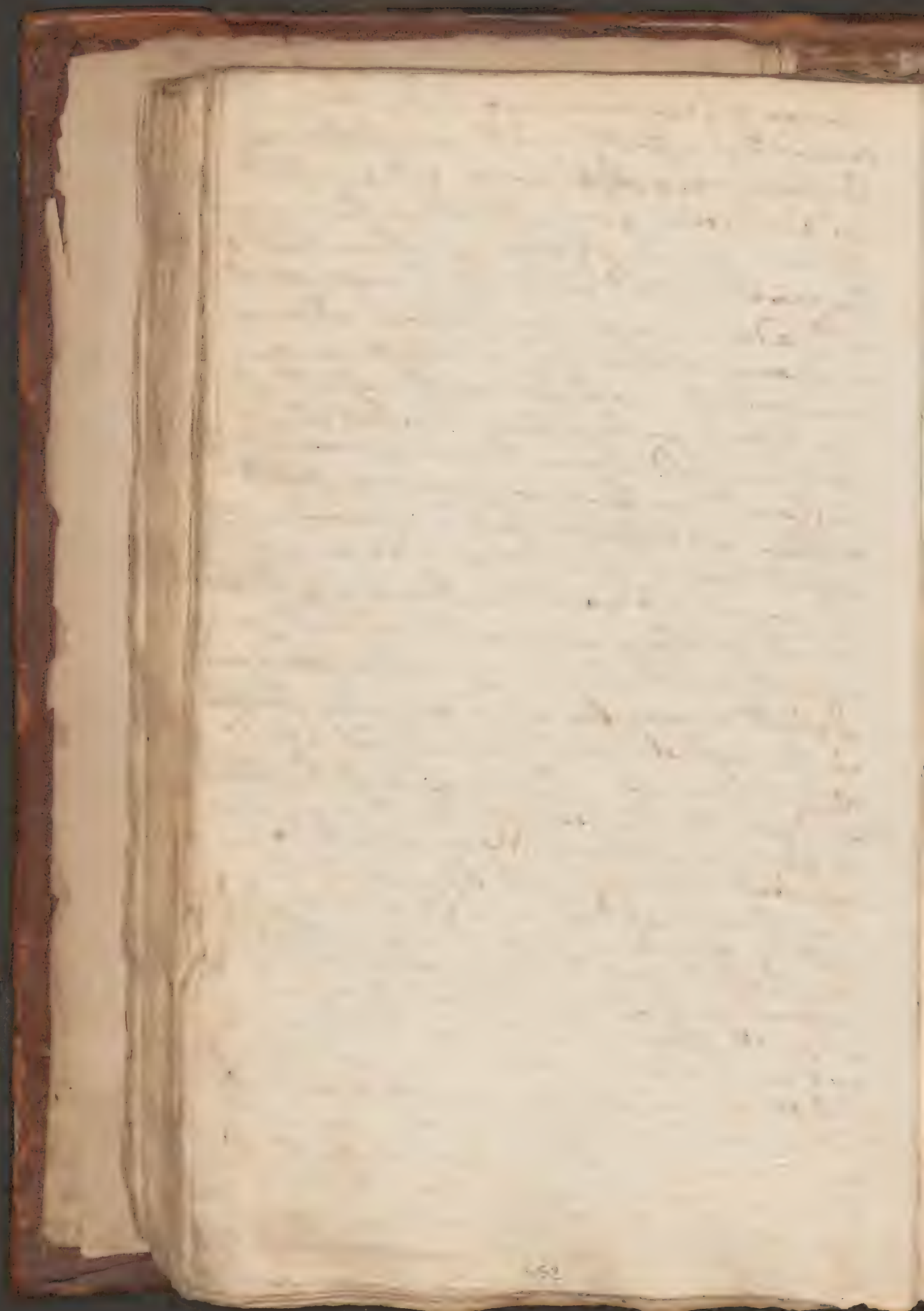
Expectorants — It has been
a question whether any
expectorant could be
whether it was possible to
use the secret. glands
of the lungs — The objection is
from the difficulty of applying an
expectorant to the lungs
in applied immediately to the
lungs, excepting in a few cases.



Gasapor & those in genl. are not
being officious. — An expectorant thrown
into the stomach, cannot insure de-
pression to the lungs — but an excess of
it into the intestines & has forced the
lacteals into the blood-vessels & they
& he sec'd. by the st. it the lungs.
Now if quantity of material in the
arteries & sec'd. by these & it is many
small & perfect there is a great
small chance of any coming
quantity of perfect lung prod? — Hence
one sh'd. hardly think if we could
of matter a priori that we sh'd. prod.
expect. — How we find it. we actually
can in some cases — But it has
be said, if in these cases, if expect.
we have taken. If it is that since the
remed. is, we can only to prod. expect.
do not create cough or spilling of blood
in perfect health — Remedy will not
find cases of dis. where there is cough
with expect. — Where expect. comes
on in course of cough. There remains
& when it is most probable it will
not if then had into lung prod. to
Dr. J's club of expectorants is not a
bad one, at least of time he made
out he did not believe in expect.
so that he has bled what he
called pectoral med. which is now
just for expectorant use.



Some of the Ordinances have been
carried as strictly as possible, as by the
Indians. & they have been as
as suspected for effect. & the
from giving them when they
in water into the camp, must
the advantage — Still, all
many others of the same are
among the most powerful effects of
the same, only a little is lost by
the camp. When there is much
inflammation — Guaiacum, asphalt
& other antispasmodic remedies,
Sulphur, Brandy also be made use of
if convenient, & want — There are the
kind, subjects of use to consider, a
effect, must be used for any purpose
in the system, merely for effect
the throat — Every extract, smaller
get into the camp, effect may be
it being most likely to be so as to be
capable of being put up — If they
any other, the small can be
put by accident into the camp, if
has happened, then, all the
second or if there is the danger
& the blood, phlegm, in the camp
or if any other system, matter
should get in, effect, are proper to
them be thrown up — Effect
are useful in all inflammations, effect
the camp & the, has to be
2 new ones, for 1. 4. was, can be
of 4. imp. by means of



2. 2. When there's expectorⁿ & regurgitation
with the same stimulus & the
rain effects at once. For the cough
for otherwise if cough still flows
Expectⁿ are also empty, advantage to
increase of absorption if there be
any or had in the throat -
There be water in the throat
expectⁿ are useful to occasⁿ it
absorption - There expectⁿ
have but little effect on the system
generally.

Let. 60th Of Emetics

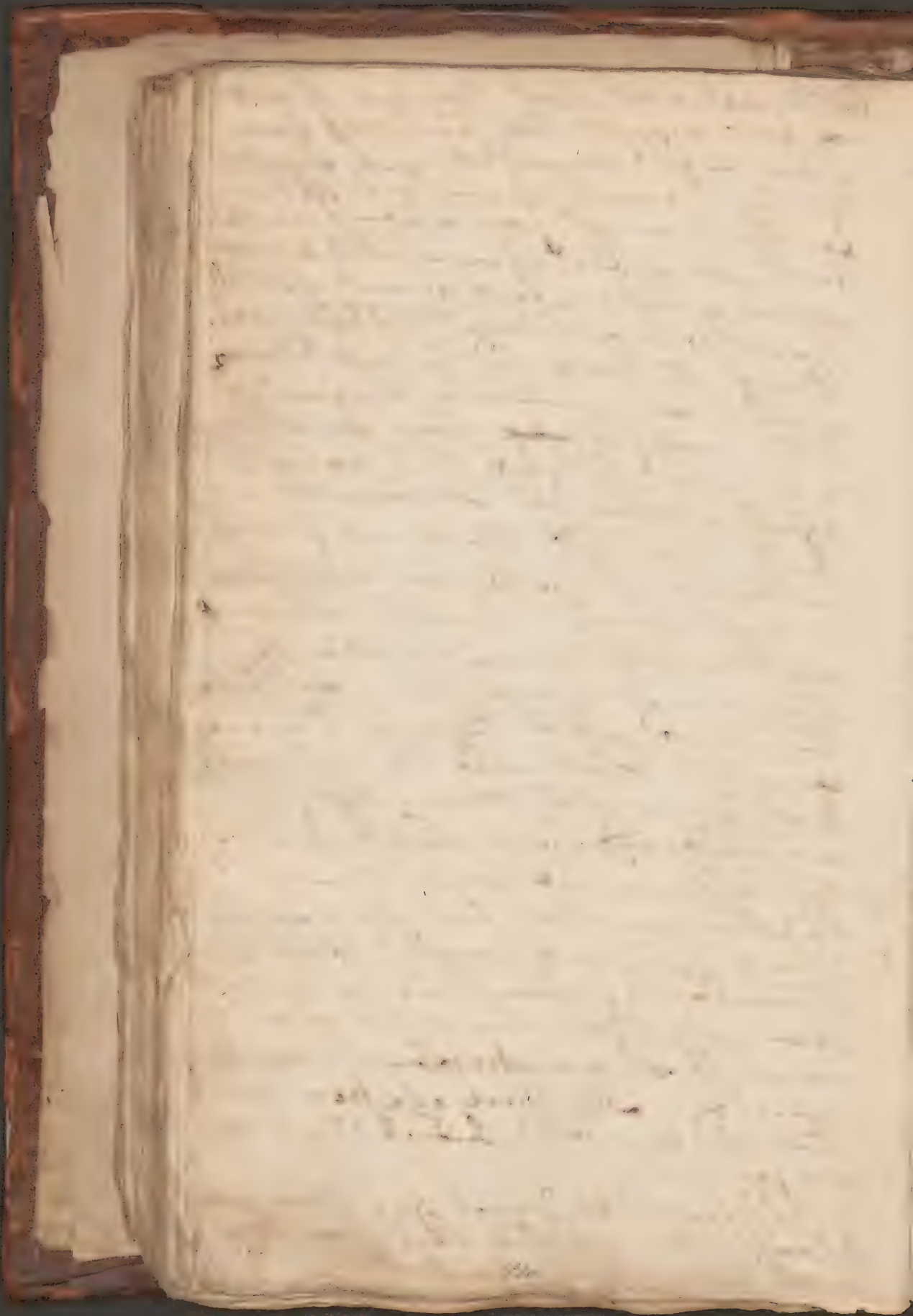
Emetics have 2 actions - 1st
they excite the secnd for the 1st of the
stomach & force of the liver pancreas
& other neighbouring glands - 2nd in 2.
2. They reverse the peristaltic motion
of the stomach & force of the duodenum
downward - so as to occasⁿ the contents
of the stomach to be thrown up
the oesophagus & have an empty stomach
emetics, have very various
properties you will find some
capable to kill a few warm water
alone, or an infusion of Ipecacuanilla
given to drink in powder, opium
or sedatives being added, or others
either by the throat - Licking the throat
with a feather or any other such way
are used, as mild remedies for
bad humors. They occasion but

Handwritten text in cursive script, likely a letter or a page from a manuscript. The text is written in dark ink on aged, slightly discolored paper. The handwriting is fluid and characteristic of the 17th or 18th century. The text is arranged in several lines, with some words appearing to be underlined or emphasized. The overall tone of the writing is formal but personal.

Handwritten text in cursive script, continuing the narrative or letter. The text is written in dark ink on aged, slightly discolored paper. The handwriting is fluid and characteristic of the 17th or 18th century. The text is arranged in several lines, with some words appearing to be underlined or emphasized. The overall tone of the writing is formal but personal.

little sickness - but they are & are
use for any of the purposes for
which are commonly emetics - not designed
for the stomach - even if it could be
for after nausea has taken place
you have applied if necessary a more
active emetic a large quantity of
bane has been brought up from the stomach
therefore all these sh. he rejects
except warm water or infusion
bitter herbs to ~~be~~ give some
to be made to take off the
efforts in attempting to vomit
the J. acid sh. there are many
cathartics which will vomit
in large quantities - Turpentine
has been employed as an emetic &
elaterium & several other cathartics
but we reject these as they are
very apt to pass into the intestines
& act as purgatives - Again
unseasoned horse radish & other
of J. dynamics have been employed
to act as emetics, but it is only
where they were wished to act as
stimulants, when it is much less
to employ them in such quantities
as not to act as ~~emetics~~ - none
emetics - All these classes of
than sh. he rejects - Indeed they
are given so

Inducan, I root of an American
plant is the emetic that has the
most powerful stimulus to the



Stomach & lungs. It is then not only
in its effects. Hence it is a ~~secret~~ ^{secret} in the
only by itself, but applied with other secret.
to ensure their action as secretions.
But the secret is not so certain as
opium. in its effect - but it produces
a great deg. of sickness. It is a ~~secret~~ ^{secret} to hold
relaxing effects behind - But there
is a ~~secret~~ ^{secret} the complicity of but this
is not a secret to add a little opium to
increase its prod. of nausea. Therefore
every now & then, it is only found
White Vitriol as a gentle sedative
has been used in cases of Dropsy.
It is not quite certain in its effects
& therefore it is better to add some opium
as Spills & others of the alliacial grad.
a much greater secret. for it is of
stomach & therefore when well used
could be used for it. There are
certain advantages but then they are
also by giving the opium to make
secretions acting as secretions - We
may now & then use it by applying the
secretion immediately to the stomach so that
it shall act directly - But opium
if it were introduced into the blood
would be secreted so as to be
secreted for instances of this kind
happen.

Secretions are used in 2. 1.
to make the contents of the stomach
hang over matters which are secreted
in the stomach is a disadvantage.

It happens in the curing of Leuc
When Dis. of a quantity of food is in
many cases in the stomach at the
time of coming on of the Dis.
of signs of digestion being so
much impaired as not to be
capable of digesting it. — Therefore in
the curing of such Dis. we must by an
emetic clear the stomach of any
such matter —

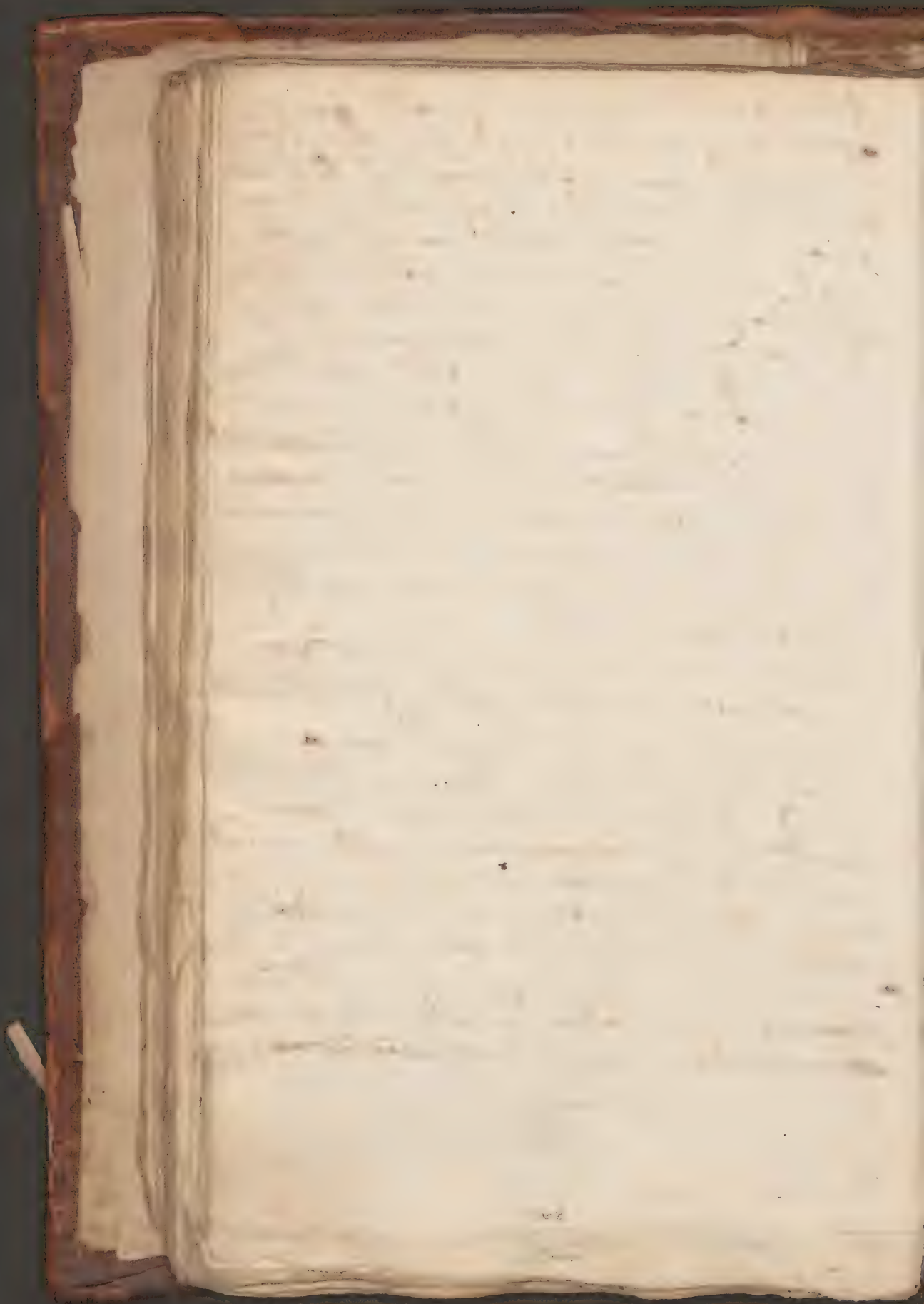
to throw off, not another im-
mediately. But in certain cases
it is not proper to employ an emetic
if we wish a quantity of concentrated
nitric acid was swallowed it
would glaze instantly the interior
coat of the stomach - in such case
it will be ~~proper~~ ^{unwise} to give an emetic
It will be much better to throw in
a large quantity of water to dilute the
acid. If the quantity of poison is small
we can give such a quantity
as is necessary to dissolve the coat of the
stomach if we can prevent its action
by Dilution, an emetic is improper
but if the substance swallowed will
not so directly produce inflammation
instance when a quantity of arsenic
is swallowed it is proper to
give an emetic and indeed at
any time if a poison cannot
be prevented from acting by
Dilution, it will be proper to
employ an emetic to remove
it. If 2 or 3 fl. oz. of it is undigested
& remains in the stomach we can
be assured to employ an emetic (as
Vegetable Acids are all to be used acid
drinks & food cannot be pushed)
In either of these cases it is unwise
to employ an emetic to throw it off
or vomit. The stomach is loaded
with a quantity of putrid & noxious
matters which & need not be

a big stone p. to build the
water, in which have been
the success of the stone to
be thrown forward into the
sladder which makes the
structure of the stone in any case
an entire by way of the stone. see
of the stone has been. it to be
thrown up, & is mounted up
in a place

gastroenteritis - In such cases the
disease may be cured by such
spending matter by an
emetic - - - - -
only this emetic. any more
matter for the stomach and when
a strong stomachy of ducts goes
chol. or when it is followed by
any spasmodic contr. and emetic
by emetic the spec. of the bile makes
it be thrown out - - - - -
gastroenteritis motion of ducts can
chol. not only, but it is a good
of passage of the bile, but it is a
also a spasmodic contraction
as to carry off jaundice
causing the bile to flow - It is
also the object of the stomach
prosp. spasmodic contr. of the duct
chol. & gives occas. for jaundice
to be cured - - - - -
hardly be a simple. It is a
matter that is off into a course
of chol. & jaundice is out
an emetic. we should empty the
vacuum in the system but still
is very useful in infl. especially
internal ones - for at a time
of chol. & jaundice is cured. before it
we must get the chol. & jaundice
coldness - pale complexion
toughness in all the circulation
of the body. so that any other
be a simple. to take off the emetic

(a) Our principal function act as
relax^t. after the action of sound
is over, muscular relax^t. of the
whole system takes place. The
of sound is great. — but we are
not to describe the action of relax^t.
when the reaction is great. to the
certain facts —

of the ^{same} in ^{the} ^{inf.} ^{gen.}
to as to cure the ^{dis.} ^{the} ^{dis.}
^{gen.} ^{enfl.} in ^{inf.} ^{about} ^{of} ^{to} ^{will}
& ^{joint} ^{more} ^{partic.} ^{and} ^{then}
than be equally ^{enfl.} in all ^{with}
^{inf.} - As the same in action ^{take}
^{ill.} ^{being} ^{the} ^{sick} ^{ness} ^{the} ^{enfl.}
in ^{single} ^{body} ^{they} ^{have} ^{some} ^{times}
can ^{of} ^{internal} ^{enfl.} - But ^{then}
are ^{more} ^{often} ⁱⁿ ^{action} ^{and}
such ^{enfl.} ^{as} ^{prop.} ^{of} ^{sick} ^{ness}
^{gen.} ^{is} ^{more} ⁱⁿ ^{this} ^{case} ^{as}
^{suspect} ^{mind} ^{was} ^{partic.} ^{made}
use of in this case - But it is not
better than ^{enfl.} ^{than} ⁱⁿ ^{this}
respect - & in others is ^{more} ^{or} ^{less}
worse, as it is more apt to do
mischief in the ^{mid.} ^{of} ^{the} ^{stomach}
Vomiting has been ^{enfl.} ^{as} ^{an}
^{enfl.} ⁱⁿ ^{dis.} ^{of} ^{the} ^{stomach} [&] ^{of} ^{the} ^{stomach}
^{good} ^{effect} - ^{but} ^{by} ^{action} ^{it} ^{is} ^{more}
^{good} ^{as} ^{well} ^{as} ^{the} ^{enfl.} ^{enfl.}
weakens much more than ^{enfl.}
even does ^{enfl.} ^{if} ^{it} ^{is} ^{not} ^{done}
if it can be ^{done} ^{for} ^{this} ^{purpose}
(a) Vomiting has also the ^{enfl.} ^{to}
shake & ^{enfl.} ^{of} ^{system} ^{to} ^{remove}
as it has ^{enfl.} ^{of} ^{the} ^{stomach} -



But this idea of removal of obstructions
 is by no means well founded
 for there is no agent^{ly} part^r in removing
 it. and prod^r any effect in the
 system of blood vessels — The idea
 of removal of obstructions in the same
 vessel by any agent is a very false one.
 We must consider if a particle or
 animal matter obstruction of capillary
 vessels is so effectively removed
 by any agent we can give ~~the~~ ^{the}
 by agitation & repulsive force of fluids
 in the smallest degree so that if an
 emetic & diaphoretic the body were
 covered by it & prod^r no good effect
 in this way — By prod^r glomerul^r
 vessels of service. But if we
 of what we have covered in the
 Sept 6th

Of Cathartics

Med^r prod^r used for 2 centuries
 are called in Greek cathartics & in
 Latin purgatives — Both these terms
 especially of cath^r have been
 somewhat of all exact whatever
 out of glands — Which of course is
 prod^r is, and many cases as a
 ft^r of the Cathartics, and when
 instead of prod^r them of 2 or 3 times
 passed them into 2, rectum &
 colon, clysters —

[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]

This question, like every other, may be
of 2 kinds - In the 1st case we may
imagine an increase of political rights
of interest, or as to make it a matter
of course in them, he was. - But only
in this case we must seek to settle
but make it of. of are practical in the
the interest, he is absorbed - but if we
and the political mission of the
interests, they cannot remain in the
absorbed - & must therefore be given
out of the body - Moreover we
of political position will occur &
cannot be greater. - It has been
considered in some as a ruling power
of the 1st kind of the political body
American is but little of this -
In the 2^d case, a catastrophe may be said
to have occurred, the political interest
& which it is complete. The political
of American cannot make the
political mission of a more
quickly & more. to be placed -
Again, perhaps may be said in another
case - There are some
in effect of interest, and by with the
of the 1st kind of the political body
of their interest of the political body
as well as the political interest - When
we have a political interest in the
of the political interest in the political
of the political interest in the political
of the political interest in the political
of the political interest in the political

[illegible]

some subject to the mass? But the
 time & action of pump. shows the
 of this cannot be the case. The
 narrow of sub. thrown into the
 storm, & require a load for
 & goods be absorbed & carried in
 of. be. & in its type & at
 carry pump. & the pump. & the
 may. & sub. to be carried in
 of. storm. & the whole interest, can
 Now, & a pump. & in an
 pump. & this is substituted. We may
 could. & in this case a sub.
 to it. & after they rec. in
 require. & for this part, the
 the intestines & stimulate
 & pump. There are in
 & an record. There does apply to
 around. & part. & the
 How. since we are led. & the
 & the body & know more to the
 & is. & in the. &
 & of. & we do not
 find any redundancy & will
 of. & there is no
 any. - It does not
 & of. & a redundancy
 & be. & it was, &
 & a false indication. &
 & is. & the
 & in order to cure an
 & does not alter the
 & it cures the

[Faint, mostly illegible handwritten text, possibly bleed-through from the reverse side.]

Page has in and, and some
with a description of the figures
of animals, & vegetables & minerals.
contains but many few

So we have no reason to believe
that many of those remedies of Ancient
times as *hemlock* & *vine* have been
drawn aside as *poisons*. The
system generally *harmful*, then *poison* of
curious dis. besides their *poisonous* and
gross. For *emetic* is an *emetic* &
also a *med.* of *great* use for *curious*
symplicities *relieving* — *Principles* of *the*
superior of *the* *most* *useful* *time* *in*
prod. *the* *best* of *the* *most* *valuable*
means *kind* *so* *as* *to* *know* *and*
look *me* *in* *the* *of* *the* *most* *the*
care *because* *it* *fully* *is* *a* *step*
to *dysentery* *gives* *the* *most* *valuable*
at *all* *in* *prod.* *and* *of* *the* *most*
good. *There* *very* *kind* *of* *the* *most*
character *of* *the* *most* *valuable* *of*
the *most* *valuable* *of* *the* *most* *valuable*
entirely *known* *and* *of* *the* *most*
in *fact* *there* *are* *the* *most* *valuable*
the *most* *known* — *For* *the* *most* *valuable* *had*
such *an* *improvement* *of* *the* *most*
dysentery *out* *in* *the* *most* *valuable*
it *was* *the* *most* *valuable* *from* *the*
the *most* *valuable* — *For* *the* *most* *valuable*
as *copies* *of* *the* *most* *valuable* *the* *most*
see *that* *the* *most* *valuable* *the* *most* *valuable*
of *the* *most* *valuable* *it* *is* *only* *in* *cases*
of *the* *most* *valuable* *the* *most* *valuable*
the *most* *valuable* *the* *most* *valuable*
the *most* *valuable* *the* *most* *valuable*
the *most* *valuable* *the* *most* *valuable*

a in of blood vessels

(b) If pieces remain in any case,
they satisfy in concept of nothing in
interest. They are dependent?
matter it is to be covered, no
concern as belonging to the body,
and cap. of dist. like any other
and a general matter. Speculent
matter remaining in interest disorder
the whole system that it is the
disorder arising from disorder. (c) If
in these cases are advantage

Quint. matter is got into the system
we can't by any means prevent it
and nor can we ever
matter - In short we can't evade
substance is constantly formed in the system
It has been supposed that the matter is
after they went off a quantity of
malignant matter is sent to the
evac. - A purgative is given
to carry off what has been called
the matter of the system. - Now other
purgatives are particularly improper
in the case of the system, but the
cont. & in the middle one - Where
there has been an absorption of a
quantity of matter, as after the small
pox, this may be supplied by the
when there is no matter in the system
and the system is empty, advantage
evac. it (6) - The causes of the
retention of the matter may be
very various - as the matter of the
system is thrown out of the
system, as in the case of the
malignant matter, which is
a tumor palpable on the part of the
solid part of the system, or
solid part of the system, or
causes also the matter may be
taken off in the case of the
system, - There is one thing
to be observed, viz. that the matter
by the system, continuing is
malignant - The matter of the system

* Whenever there's any great and
immediating thing for and thing
matters apply to the intentions of
intent. are apt to make them contents
completely, & if matters remain
to be. But in a very serious way
if there's any thing of dependence
depending upon it. When I have said of
the contents are affected with persons,
& the principal motion of the upper
part goes any more. Therefore
for then the matters of the
to be made and retained in it.
upon part of the intent. & become
Credible. In this case, I am
successful. I am not. In such
a case, I am not. In such
intent so that if whole contents may
be thrown out.

(4) When there is doing any
and which is preferable.
but the more part of the
some greater and so it is good.
to be done.

and each in 24 hours with some
any patient it has been brought to me
more than one in 8 or 10 days -
which is singular in this case is,
that such case is not more severe
altho' an equal quantity of food has been
made use of. Therefore there must
be some other method of getting rid
of the matter if ought to be made to
escape from the intestines by - the
acid in any patient as has been made
in the intestine altho' there will be
no pumping but continuingly. yet
may be useful - The distention
and I see of the bile goes to
passel forward a stone that will
stick in the duct. come shot into
of intestines - or thro' of vesicles into
of bladder - when there is too
large a quantity of bile in the bladder
it is not good. I immediately
advantage of to take of the
As I was, we can find the
intestine is a new, large one and a new
empty the new, many considered by
this means so as to incubate the
system. The new are simple
a mainly in the bile in all infla-
my exterior parts of the body & the
head part may be used at
a new bag - They are men made
after adapted to carry off much
waste of the system & more

[illegible]

respect if any in fl^a sup^d be found
 anywhere for a certain accident, and
 unaccounted connection &c. they may be
 suppl^d. with a short: at J. being so
 latent in fl^a - also attempt to prevent
 its coming on to suppurⁿ. & that even
 if the anischief sh^d be in the interior
 parts of the body, only suppurⁿ for
 some mechanical accident. - Then
 after these infl^a are not rid in fl^a
 in themselves, but at the same time
 very apt to terminate in suppurⁿ. - it
 is a little troublesome - & if it sh^d be
 deep in any of the internal parts, it is
 fatal. - That a sup^d prevent any
 such suppurⁿ. to the fl^a. - though an acute
 the cond. admit^t. - In fl^a of the
 thoracic viscera except either of lungs
 is gen^l improper - In fl^a of the
 viscera of the ~~stomach~~ ^{stomach} & of the
 is somewhat advantageously suppl^d. - (at least)
~~meals~~ ^{meals} suppl^d. to terminate a sup^d.
 They have been in several
 cases & are frequently found in
 prompt & absorption of the
 sup^d. - In cases of J. Distⁿ
 we must observe that J. Distⁿ
 is in gen^l. to be count^d. as a sympt^m.
 of a dis^e. rather than as a princip^l.
 dis^e. itself. for with care
 it is ~~often~~ ^{often} an ~~acute~~ ^{acute} dis^e. of the
 me sh^d. make if water be abstr^d.
 it will be replaced again - If
 only sh^d. depend on pericardium

(4) When it is found in any part
of the body, it is called a tumor.
It may be, as it is often, a
neurofibroma. - It is often
found in the skin, & in other
cases where you have a
various to believe if it is found
any, are of the same, with a
smaller.

[illegible]

[Faint, illegible handwritten text in a cursive script, likely from a 17th or 18th-century manuscript. The text is written in dark ink on aged, slightly discolored paper. The handwriting is dense and fills most of the page area.]

we convert into a fluid before it
can be absorbed - But, therefore, it is
essential, I repeat, must first be converted
into a fluid previous to its absorption.
But there's a process by which animal
solids are converted into fluid - & that is
it is in the body much sooner
than it can out - & pump. & out
of the pores of the body in perspiration
processes as to make of but the
broken down & converted into the pores
as well as making of absorption. & the
it is sooner than the process of
the body. & besides of perspiration
I rec^d. from the body of interest. & the
and, of the body all of the body
from the pores of the body. & the
& vagina. & by the means of the
cutting the matter off. & have been
enough. - & the body of the
make of the body. & the
of the body, & the body of the
the

Sept. 6th 2^d Cathartics cont^d

I follow Dr. C. in his
classification of the fruits of the
-moleculia - Gallicae. tamarind
conia fistularis. These fruits contain
a purgative juice & have been
to the body just seen in cases
and there was no other dishor^d. for
disturbance. They repeat as well
in regard to the rest of the system.

[Faint, mostly illegible handwritten text, likely bleed-through from the reverse side of the page.]

2^o or when there are hard faeces,
matters retained in cases where
the intestine is pressed by a tumor,
or where there is a thickening in
the intestines — In all such cases
the use of suppositories will be a great
benefit, it is not certain in the
first

herbals are very good and cannot
change sugar into something of poor
quality, but when mixed it is rather
strong, unless it is the ferment of
lactic acid in the stomach. The use
of sugar is rather rare but made rather
than of sugar - Manna
(which is sugar simple) with a little of
a tree of life out of the leaves of the tree
is a very useful laxative in cases where
we wish to avoid stimuli & for which
water is not sufficient - We can get
it by itself or mixed with other things
it is a very good laxative. There may be some
to get the oil of the fruit - When
hardly water or any such matter
is used. Advantage for Milt
purpose where any more strong
purgative is made use of. In such
mild cases it is of great use. In such
there is either an acid already formed
or a disposition to coagulation, which renders
it purgative - but how it can be made
be simple for it. Purgative - Symplic
oil is hardly purgative in itself
but is usefully mixed with the other
in cases where there is any degree
of obstinate constipation, as when
it is a paralytic affection of the intestines.
When used has been found to be made
or prepared with a little of the oil of
the oil of lemon against the effect of oil
is already mixed with a purgative juice
We may use tincture of the fruit with
oil or as to make the same effect

a. Sills are made use of in cases
of non payment or non qualifica-
tion thrown into J. Court. — They
tend to defend J. interest from J. action
of sum. each matter & expedite
and save some for employment
cases with advantage rather to
cover the minor incidents than
to act as a purgative — Mention
such & others & ref. a court. of
fact to render judgment are prefer-
in this case, & thus so apt to be
absorbed in paper along J. interest. —

1840 very uncertain with Dec^r
rendered it not useful as a jump^l

ex. For Walcott are also pump. & of
 the same kind but 2, they detach
 the small plate. They meet with in
 the body & in connect. tissue. I
 explain when given in large quantities
 as in the propriety be given with
 this view. Besides they are more
 uncertain in their operation. I think
 however, that mucous for & in the tissues

or a bitter one rather than a
Sage is not common. - It is used
hardly simply as a Sarsaparilla. It is used as a
Disagreeable medicine. But it is not a
particular advantage. The juices of
roses & violets have been used. But
can only be simple for child. For
they are scarcely powerful enough for
adults. They are very irregular. It is
for infants, not having a disagreeable taste.
Sulphur is a very useful. It is used
where one cannot simply give it in
medicine. Many on acc. of their dislike to
flatulency cannot be simple. Not always
nor other thing. It is on acc. of their
stimulus in inflaming affection.
It is also used in cases of hemorrhoids.
Advantage in adults to others. It is
notless, for other we see their hardness
they accept such distention when there
are used as often to give it. It is
hardly very much.
It is a good compound. It is
water to dilute it. It is given
in large quantity so as to act purgative.
(b) It has the same effect as the same success
comes in the case. But then it has
in rather as a purgative than a
purgative. In the case of
cancer depends on it. It is
to stimulate glands of the intestines.
& gives a good secret. (c) -
The essential salts are useful purgatives.
More so. They are particularly in
Bouche's salt - valuable tartar.
Sulphate of Rochelle. Sol. tartar.
Sol. of Rochelle. have been proposed.

(a) All these vessels take up a very large proportion of water in their capillaries, & therefore the small vessels are always in order of size may give the proper dose — These venous vessels act very quickly — gen. & prod. & sec. fin. of. & at the vessels, & rather act as sed. on the rest of the system, so that they are much employed & very properly in inflam. & affections.

(b) It has been said that gas (Aer) is a kind of mag. with an idea of flatul. & the presence of it in the stomach is an inconvenience. It is not so, for gas is immediately absorbed by the stomach & hardly requires any assistance.

because they are not such a simple
taste as I. Chute's salt - but the effect is
little different. - This is not necessary to give
them the so large quantity (2) - They
are common to all except in the
separate leaf application. To give an
example - This is prevented by
joining them with some in an
oil & either applying them in a large
quantity of water or drinking a large
quantity of some warm liquid &c
immediately after them. I. Chute is
cannot be used to give in the same
manner as I. Chute is. I. Chute is
in itself - but is rather off in a
quantity by joining some of them
to a little bit of oil of some
salt is a purgative similar to the
neutral salt - It is only able to cause
some action behind I. Chute, and
not so much as I. Chute
neutral salt - - - - -
Cassia is here
only. This is a very useful
case where there is any
in the stomach. It is to rid
in of prima and in in
partly when there is this acid
when cold. The position is
disagreeable than when quite
warm. It is a very useful
in large quantities, some people
disagreeing with it. It is
a very useful salt, as an

when costiveness arises from weakness
~~and the effect of J. purges~~ given in
small doses

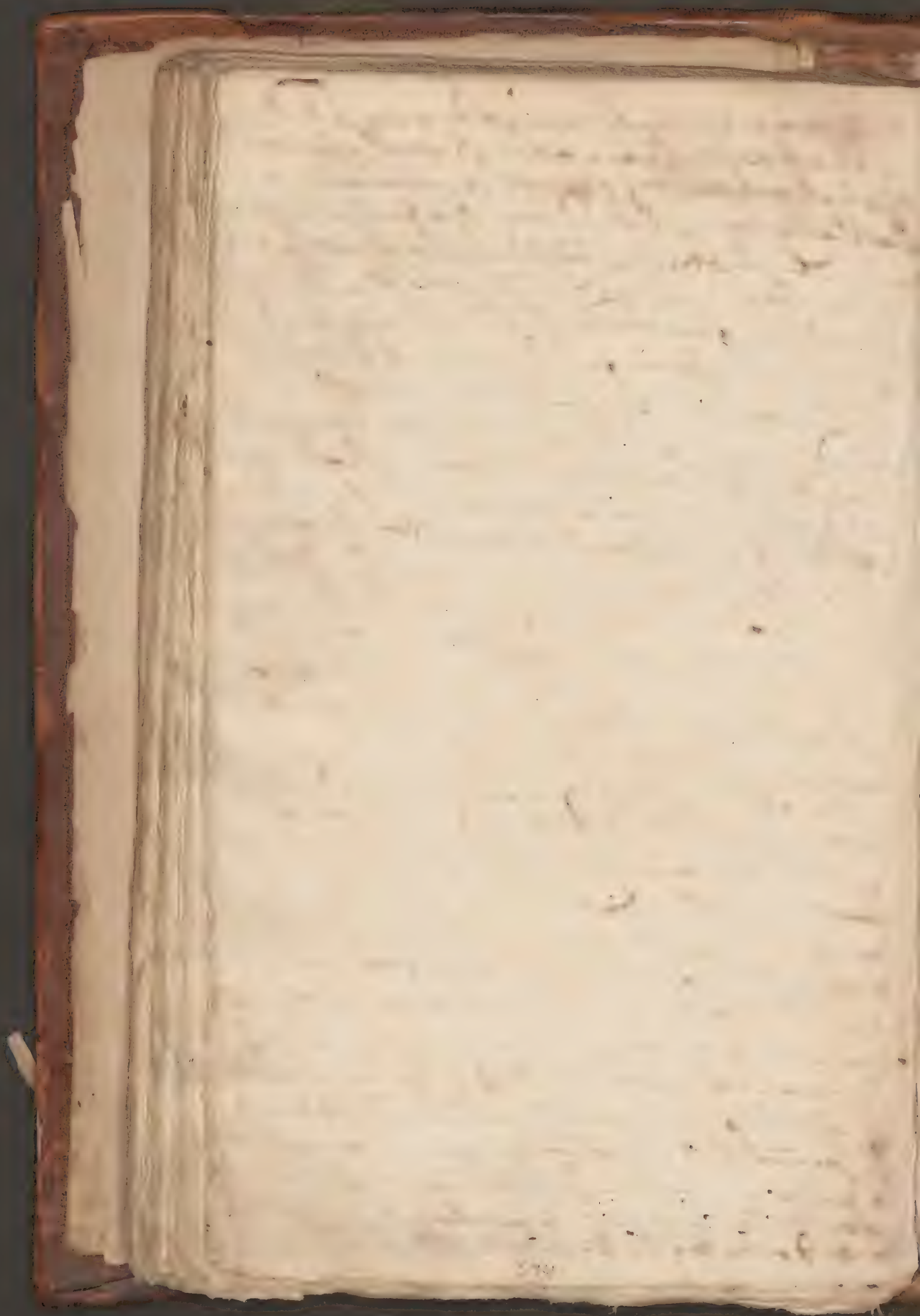
2. Flaccidities are indeed apt to produce
the menstrual flux, & also to cause
the indurated state. When therefore
there is any disposition to either, or
too great a flow of J. former they
are improper & the presence of
them will interfere

a The Farmers have no fixed habit of
~~cutting~~ line in stubs. As they want
about to find food for their
cattle, plow up their stubs cut it
in pieces & give make holes in
it to hang it about the necks
of their cattle to dry. — They
sell to f. Indians & Russians & the
Chinese & to all their neighbors
in & north. It comes here from
Siberia, Tashan, Russia &c. to this
country.

b The chubarb is cultivated here
and about a third part more in
a dose than it. It is imported
but in other respects is equally good.

It is not much used
in the East of Asia. Species
of *Rheubarbarum* grows naturally in
Siberia (as -) like the *Ragwort* in texture,
when broken, of a light yellow color
when dried in the sun, of a color - It is
found abroad of the West is picked
and in Russia for the use of the
of the medicine seems peculiarly
solid - has no holes in it, & is much
harder & heavier than what we
find here in this country. - The
roots of rhubarb have been brought
into this country where it grows
flourishes very well - whether it
be certainly an *offspring* of the
rhubarb in Russia in Siberia, or
whether it be the principal one,
we are not sure - (6) -

In all cases of acute diseases
we wish to take off continuance
with remaining a rigorous & sharp
large mass. Rhubarb is a very
useful cathartic - in the use of
everything it is an useful medicine
as it tends in this case to have
some degree of action - after which
it is used - It is to be used
if all these things be used to cure
of the disease. It is to be used
to give much - but it is not
recipies to cure of rhubarb in much
large doses as to be produced of the

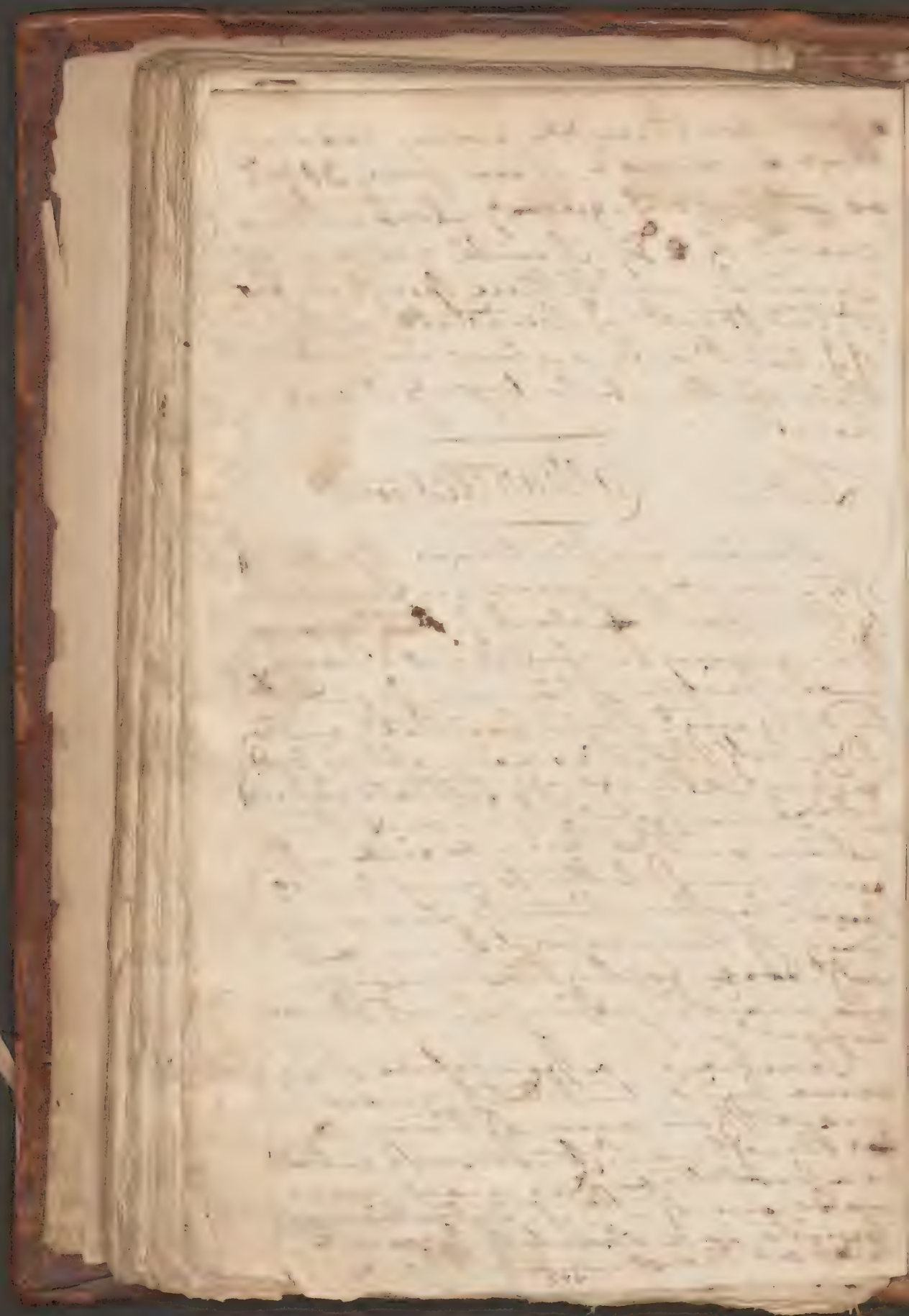


effect. For it will very near
hinge as much in one year 30 p^{er}
as in times of general luxury. But in the
quantity of 2 T^{ons} it will give most
service. — All these things in the
interior of the state, within
of the interest only, are long in period.
Their effects — shew, being 5 or 6
years.

Sept. 63. Cathartics cont.

Seneca is the name of a plant
of the name of grass in Syria
of the part of about of Mediterranean.
It is a very useful thing. It has
an emollient action on the intestines
tending to cure their cramp, and the
Bile. It is very apt to produce
griping. Therefore it is better to give it
with some other thing to insure their
action on the prime via — It is
very much better to mix 6 or 12
grains together, than to give away
one of them separately in a
suff. dose for the purpose
we are of, getting rid of the
superfluous.

Seneca is a purgative of the
same kind but much weaker
more than any of them, &
for therefore we do not much intend
as a purgative. It is now more
made use of in the intention
Gymna is a shrub of Syria &
as the *Seneca* plant



the warm Stems of Peas, all of
which are grube-stimul. juices - Canasta
is now similar to Senega in its
action, and is not quite so specific
a stimulant to the intestines - It is more
apt to produce la grippe.

Black hellebore was employed by the ancients
as a purgative in mania - but is not
now at all in use -

We come next to the purgative of the
veg. kingdom. The most powerful
principally employed by the Ancients -
that is, that of the root, for the principle
of most useful ones by moderns
comes from America (i.e. of species
of Convolvulus, called Jalap - All
of Convolvulaceae have purgative juices,
in their roots especially - we have Jalap,
ruehroacana, theophrasti -

Jalap is a powerful purgative
of the whole system over,
and is therefore neutral to the
stomach. It acts as a purgative
nearly in the same way
producing spasms evad. of the
intestines.

It is very useful in
inflammatory cases, & also to promote
absorption with very good effect.
In the treatment of the bowels it is
very useful in colds - Scammony
is a much more stimulating purgative
in some cases stimulating the
stomach & intestines, and is
very useful when the bowels are
stagnant of an intercurrent.

(as Dr. Manges J. system very
much resembles even that
of Dr. Cyprian's effect on
infl. of the intest. if great
care has not been taken to
rub it down thoroughly, so
as to divide it.

by means of stimulant relax-
ing the time the fit is late
it, we have then given a small
amount after J. further power to
its action should be over - This
in J. R. L. clears J. prime and
prevents any of their contents
having had effect - but at J. some
time past. the whole is arranged
in J. system, and it much easier
to be acted upon, as to food &
secretory by J. removed, we are for
J. prevent J. return of J. matter.
Now for such a purpose, many
things are useful - J. matter
also comes in - J. matter in
cases of - This J. matter of J. root
of J. convulsus J. we make
use of - a small quantity mixed
with the J. matter - which we want
to promote absorption, we are
not at the advantage - J. matter
is scarcely made use of - no
anthrax - chulus - can be used
nor chamus - There are
three J. matter - we make
use of J. bark of J. matter - J.
Leaves of J. can be used & J. chamus
all these are very strong J. matter.
given as to J. matter in J. matter
J. matter - but have been J. matter
in J. matter cases - J. matter
J. matter says that the J. matter

(a) *Victoria cantabrigiae* does not
at all resemble the *sancti*
among *peripateticus* —

[illegible][illegible]

(a) Lett. in the paper was a lame
and, but ~~of~~ what species we
know not —

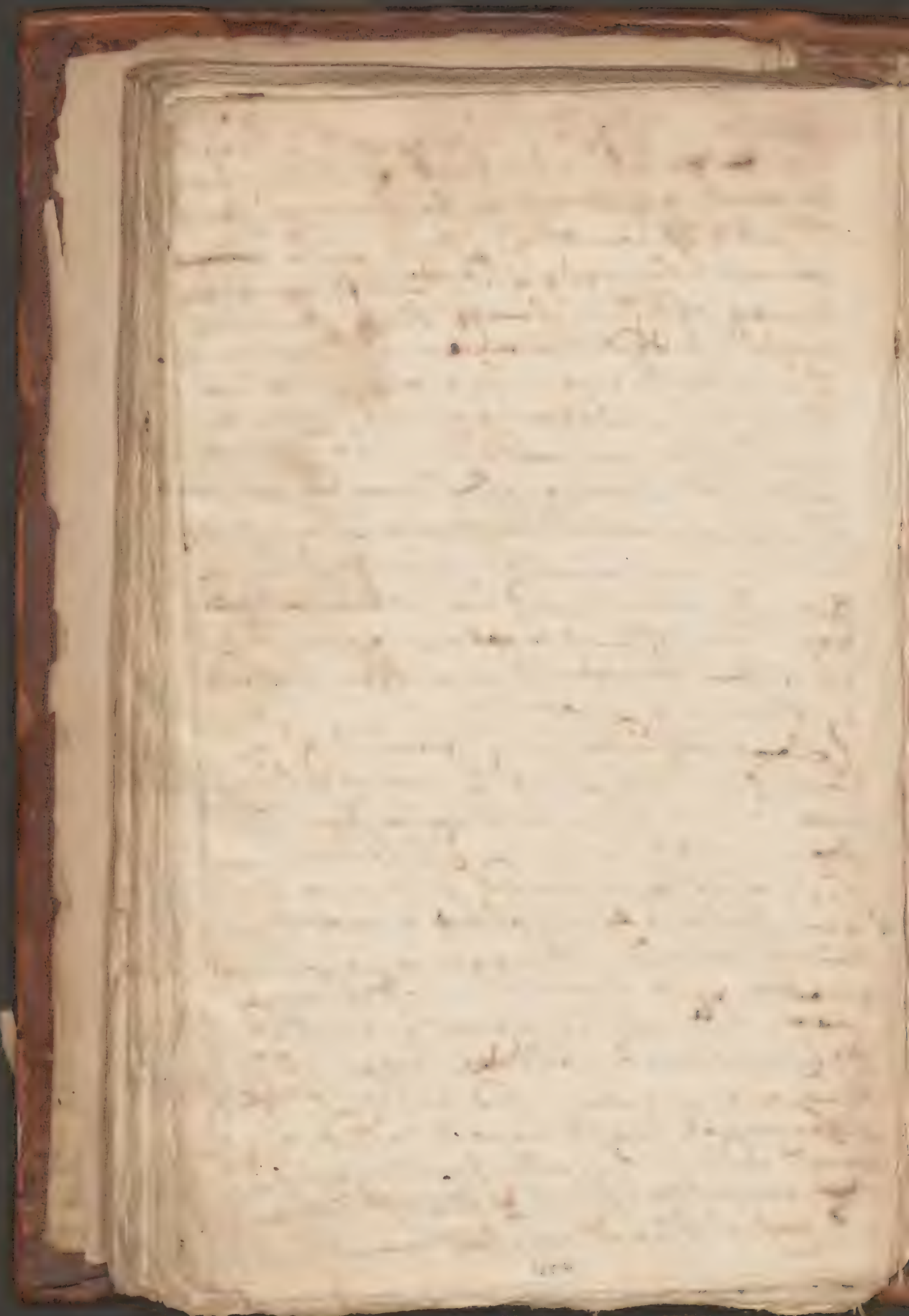
(b) All these things are very
more than good
fibres —

(c) Gold & silver are much
more so. that they wd. destroy
the fibres —

(d) They are very uncertain for
they give a variety of results in
the A. & C. tests —

It was a great quantity of the same
in such a quantity as to produce
the same effect as to produce
the same effect. We should therefore conclude
it was a diff. plant. The description
could not be their description. and we
of course don't even know what
their baraboor fossils were
or whether or not they had any
rats - (as some of them described
of common things are so un-
reliable, we cannot expect of those
same plants to be accurate.
For they often grew in countries
at a distance & were imported
as they are now.

Cobayulida is of fruit of a
South. it is also a new thing.
It is in respect of the
same as - & *Stalium*
it is also prepared for one of the
centurion is also a new
thing. There are many
made use of except in tropical
cases - Among metals
of course - gold & silver - but
they are never used as such. The
Mercurial preparations have been a
very old - Preparation of antimony
is ancient as such. & there are
I reject these metals -



It is an old & well known fact in
medicine, that light & heat are
stimuli - & therefore are applied
in all cases, where inflammation
occurs. From the inflammation
is inflamed & deprived of its
nucleus as in gonorrhoea &
catarrhus vesicae - & many
other similar affections.

as this the best way to cure them
and as sometimes I receive for
effect of the best & not dry
then perhaps not mean
not to expect it into coming
and cut it away nearly into
thin slices - Perhaps be dry
in at 100 deg. of heat - A great
great deal on a line of whole
oil map - In a 100 deg. they
burn before they are dry
+ as if more volatile part is
also apt to act on it. In map

[illegible]

Some Pract. have given single
doses repeated at ind. intervals
the result of a proper effect
has been complete in large doses
alone, so as not to purge the

[illegible]

& this how? a very much smaller
and a large one kept in every
small house

[illegible]

When necessary is given for
instance. For the first time
in the history of the world
the world has been made
clear, for it is now
I, surely is not. or not
or sure, may be. But we have
accomplished. I feel of the
world as a whole, surely it is
different. In the world, in the
world - but it is not at all
different. In the world, in the

[illegible]

a. I must have meant it - when not
the interest ~~to~~^{as} similar latter
and vice versa, as a
composition wd take place

1. In vulgar language in this & many
other countries of J. skin seems to
have been taken for the blood. Thus
when a person has a cutaneous eruption
he is said to have a jaundice or
is blood - is a scaly eruption,
occurs in this blood &c. - but the
fact is, that it is J. skin which
is affected.

can, it exhales almost as much
as jumping. so if the wall paper
sweetening has been put on and
use of the tobacco pipe and sweet
when any little in the air. The
scarf when dries, & being raised up
shores of skin to the air. Perhaps
there is no stimulation in the air itself
nor even in the dust & floating in
it - but then if the dry air of the surface
grows hard, & stimulates the scarf skin
itself becomes hard, & thick. Now
a constant vaporousness helps the scarf skin
moist & therefore is very useful in
taking off cutaneous eruptions. When they
are accompanied with a deep soreness
& itching out of moisture itself.
The most powerful remedy to prod.
sweetness is a mixture of opium, and
oil of sweet almond. either in oil or water.
altho. & with a spec. or soap. & antiseptic
gum resin to keep a constant moisture,
Opium spec. & sweet almond & a
small quantity of mercury is the
most powerful. It has the effect of sweetening
in cutaneous eruptions. (6)

Finis.

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[Faint handwritten signature or name.]

3

GP Medical
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